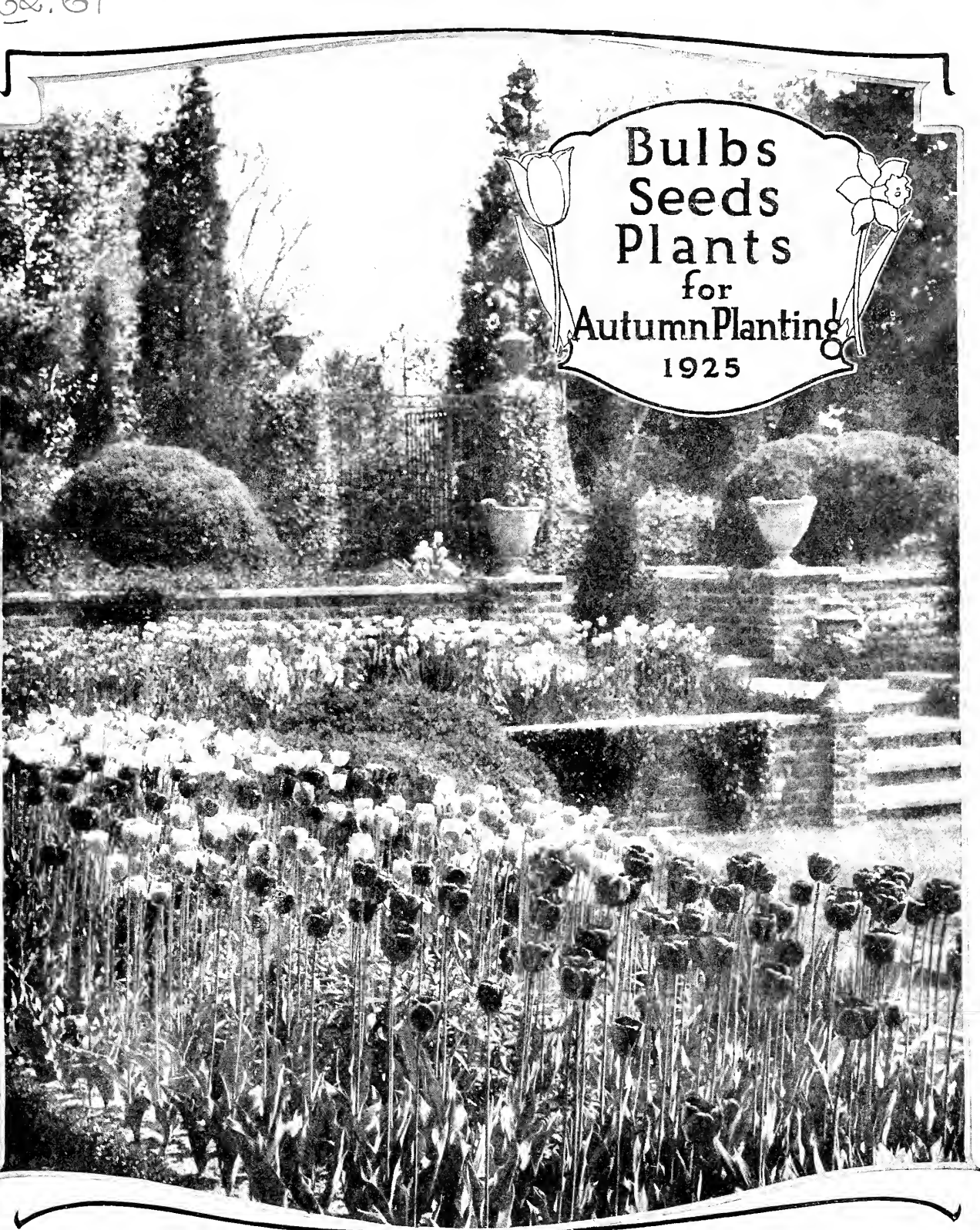
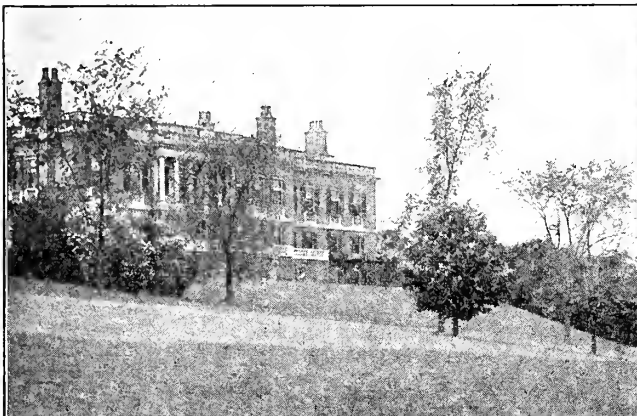


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Do not assume content reflects current scientific knowledge, policies, or practices.



STUMPP & WALTER CO.
30 & 32 BARCLAY ST., NEW YORK



Tennis Court

Staigreen



Stumpp & Walter Co

Grass Seed Mixtures

Produce Lawns which are Pleasing in Color,
Perfect in Texture, and they "Staigreen"
in spite of hard use.

PRICES

Following delivered Anywhere in the United States
when cash accompanies the order

Staigreen Lawn Mixture; for carpet-like turf

Lb.	2 1/2 lbs.	5 lbs.	12 1/2 lbs.	25 lbs.	100 lbs.
\$0.60	\$1.40	\$2.75	\$6.25	\$12.00	\$47.50
Qt.	4 qts.	8 qts.	Bus.	10 bus.	
High-Grade Lawn Seed	\$0.40	\$1.25	\$2.25	\$7.50	\$70.00
Seashore Lawn Seed	.40	1.25	2.25	8.50	80.00
Shady Place Lawn Seed	.50	1.65	3.00	10.00	97.50
Tennis Court Grass Seed	.50	1.75	3.25	12.00	115.00
Terrace Sod Lawn Seed	.50	1.75	3.25	12.00	115.00

Quantity to Order

One pound sows 20 ft x 20 ft. (400 sq. ft.) 100 pounds sow 1 acre
One quart sows 15 ft x 15 ft. (225 sq. ft.) 4 bushels sow 1 acre

Double these quantities when turf is needed quickly
To Repair Turf that is worn and jaded, use one-half these quantities

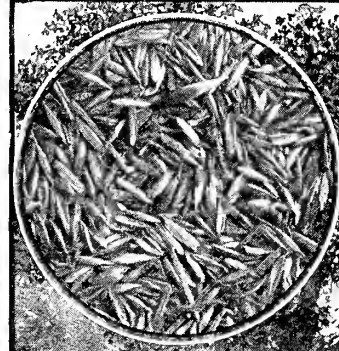
Oz.	1/4 lb.	Lb.	5 lbs.	100 lbs.
White Lawn Clover	\$0.10	\$0.30	\$0.85	\$4.00
			\$4.00	\$65.00

Following shipped, freight paid to your station, in 100-lb.
lots or over when cash accompanies your order

Emerald Grass Fertilizer

A concentrated Grass Food. Scatter 10 pounds on an area
of 300 square feet; 1,000 to 1,500 pounds to the acre.
Use two-thirds these quantities for renovating.

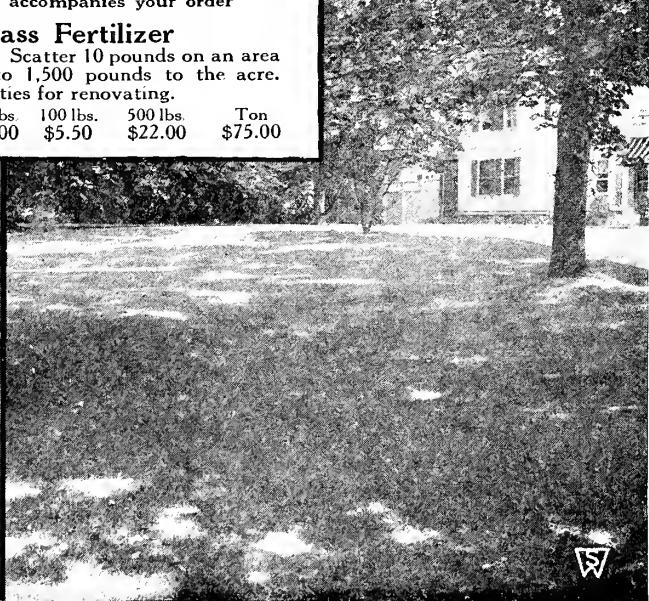
5 lbs.	10 lbs.	25 lbs.	50 lbs.	100 lbs.	500 lbs.	Ton
\$0.45	\$0.80	\$1.75	\$3.00	\$5.50	\$22.00	\$75.00



Shady Place



Terrace Sod





TIME OF DELIVERY

Bulbs and roots mature and ripen during the late summer and autumn and shipments will be made as follows in the absence of instructions to the contrary.

SEPTEMBER includes *Lilium Harrisii*, *L. formosum*, *L. candidum*, Freesias, Paper-White and Grand Soleil d'Or Narcissi, and Bulbous Irises.

OCTOBER, OR MAIN SHIPMENT, includes the general line of bulbs, such as Hyacinths, Tulips, Crocuses, Callas and Miscellaneous Bulbs.

NOVEMBER AND DECEMBER include Liliums and Lilies-of-the-Valley. We endeavor to get all of these shipped by early December. We, however, frequently do not receive the three varieties of Japanese Lilies, as listed on pages 30 and 31, namely, *auratum*, *speciosum*, *magnificum*, and *album*, from the Orient until the ground has become frozen in some parts of the country. These may be kept in a cool cellar and planted in the spring, or, if you so advise, we can ship these three items in the spring.

Guarantees. Our methods of handling bulbs practically preclude the possibility of stock proving unsatisfactory, and the percentage of complaints is really negligible. We guarantee all bulbs sent out to be true to name and of proper flowering age. It is, however, impracticable, owing to contingencies of soil, climate, season, or faulty planting, to guarantee that all bulbs we send out will flower satisfactorily. We make complete trials of all the varieties we send out at our own trial-grounds and know, from extended experience, that all our bulbs flower satisfactorily if given just ordinary attention.

TERMS OF PAYMENT

We do not send bulbs C. O. D. unless instructed by you, but ship your order when bulbs arrive, mailing invoices at the same time, and all bills are due in 30 days, net.

WE FURNISH ALL BULBS, 6 of a variety, at the dozen rate; 25 of a variety at 100 rate; 250 of a variety at 1,000 rate.

SHIPPING INSTRUCTIONS

We ask for full shipping directions. State whether bulbs are to be shipped by parcel post or express, and by what route. In the absence of instructions we ship by whatever method and route we believe best.

PLANNING THE GARDEN (Color Schemes)

In the past we have had many customers and friends who have asked us to help them plan their bulb-gardens. We will be very glad to make suggestions, if you will send us a rough sketch of your garden or borders. Please give planting areas when sending same.

**SPECIAL
NOTICE!**

➡ **Last Year to Import Holland Narcissi** ➡

**SPECIAL
NOTICE!**

The Federal Horticultural Board of the Department of Agriculture has decided that Narcissi, or Daffodils, as well as the following miscellaneous bulbs, Chionodoxa, Eranthis, Fritillaria, Galanthus (Snowdrops), Grape Hyacinths, Ixias, and Scillas will not be allowed entry into our country after January, 1926.

Ninety-five per cent of these lovely spring-flowering bulbs are now imported from Holland. We urge our patrons to plant as many as possible this year, so that their gardens will be well supplied. See our back cover for Special Offer of Daffodils for border planting or naturalizing.

STUMPP & WALTER CO.

NEW YORK

GEORGE G. STUMPP, *President*
JULIAN H. WALTER, *Treasurer*

THOMAS F. KEARNEY, *Ass't Treasurer*
WILLIAM A. SPERLING, *Secretary*



A hardy border illustrating the use of Darwin Tulips, planted in clumps throughout

GIANT DARWIN TULIPS, May-Flowering

For the herbaceous border, massed in clumps along the edge of shrubbery, or as cut-flowers for vases, these are conceded to be the superior of all the Tulips

The enthusiasm for the Darwin Tulip is not due to fad or popular fancy, but rather to an awakened sense of appreciation of their majestic beauty. The rich, bright colors of the blooms, their somber tones, their many pale and more lovely colors, produced on strong, gigantic stems from 2 to 3 feet, all vie with one another and capture even the casual observer of spring-flowering bulbs. Once grown, the amateur becomes interested and soon becomes a fancier with a hoard of varieties, excusably jealous of every one he or she grows.

For the borders among other hardy flowers, in formal gardens in conjunction with Single Early Tulips, for isolated groupings against a background of shrubs, or for combinations of delicate colors for effects of contrast in the flower-garden, the Darwins are without a peer.

They range in color from the daintiest pink, rose, salmon, red, etc., to deep, rich crimson; from lavender through mauve and light blue to violet-purple and the so-called "Black Tulip." There are a few good whites, but no clear yellow, and where this color is desired, selection should be made from the Cottage Tulips listed on pages 10 and 11. All buff and bronze shades frequently classed as Darwins are Breeders.

CULTURE.—Bulbs should be planted 5 to 6 inches deep and not less than 5 inches apart. Sand to the depth of 1/2 inch at the base of the bulbs will amply repay the trouble by the provision for drainage during wet weather. For forcing, bulbs should be planted as soon as received, and the flowers appear to better advantage if pots a trifle deeper than the ordinary bulb-pans are used. We recommend what are termed azalea-pots for this purpose. A temperature of 55 to 60 degrees is recommended, for if allowed to "come gently," larger flowers and longer stems may be had.

Afterglow. Deep, rosy orange, with salmon shading at edges of petals; inside deep orange with yellowish base. A sport of Baronne de la Tonnaye, which is of remarkable interest because it is the first instance of a Darwin sporting to the Breeder tones. A showy Tulip for outdoors. Height 26 inches. \$2 50 \$20 00

Anton Mauve. A splendid exhibition variety on account of its wonderful stately habit. The flower is of unusually large size, and an even tone of deep bluish lilac. Excellent for the border or for pots. Height 32 inches. 2 00 15 00

Aphrodite. Clear, silvery rose-pink with white base; a good-sized round flower of exquisite color on a very tall, stiff stem. Height 34 inches. 3 50 25 00

Baronne de la Tonnaye. A long and beautiful flower; clear carmine-rose at the midrib, base toning off to soft pink at the edges; white, tinged blue. Excellent for early March forcing and just as fine for outdoor beds, where it keeps up a splendid show for a long time. Height 26 inches. 70 5 00 \$48 00

Bartigon. Fiery crimson, a very showy variety with white base. Height 26 inches. 1 10 8 00 78 00

Bleu Celeste. A Tulip of wonderful size and shape; the color is a bright violet-purple, white base tinged blue. Height 30 inches. \$2 00 \$15 00

Carl Becker. Pale rosy violet, with center flushed salmon-rose. Splendid Darwin for outdoors; equally good for forcing, but paler in color. Height 32 inches. 85 6 00 58 00

Centenaire. Rich violet-rose, with a large blue center; immense flower of perfect form. Magnificent for the border; excellent for forcing. Height 32 in. 1 50 12 00

City of Haarlem. Intense dark scarlet with darker bloom; large steel-blue base and white halo; wonderful cup-shaped flower, with petals incurving slightly at the tips. One of the finest brilliant red Darwins. Height 27 inches. 4 00 30 00

Clara Butt. Beautiful clear salmon-pink. No other variety offered by us has the same distinctive and pleasing color. Height 22 inches. 70 5 00 48 00

Crepuscule. Lilac-white, with dark, rosy flush at tips of petals; large flower of good form and a very lovely color when grown indoors. Height 28 inches. 1 00 7 00 68 00

Giant Darwin Tulips (May-Flowering), continued

Dal Ongaro. Pale lavender-violet, inside dark bluish violet, shading off into paler violet; large flower with pure white base and showy white mid-rib. Height 28 inches.....\$1 00 \$7 00 \$68 00

Dream. Large flower, perfect in form, on a tall, strong stem; color rosy lilac and mauve, with claret-purple interior. Height 24 inches.....70 5 00 48 00

Duchess of Hohenberg. Pale slaty lilac- mauve, with stripe of rosy heliotrope; inside pale lilac, with white base. Enormous, long flower on a tall, stiff stem. Height 29 inches. 2 00 15 00

Eclipse. A deep rich glowing blood-red. Large flower of fine form; the best of its color. Height 26 inches.....2 00 15 00

Edmee (Beauty). A beautiful shade of cherry-rose with a lighter border. On the order of Baronne de la Tonnaye, but brighter in color. Height 25 inches.....85 6 00 58 00

Erguste. Soft violet, with a slight silvery flush; flower medium size. One of the best Darwins for forcing, keeping its refined color splendidly. Height 26 inches. 85 6 00 58 00

Europe. Deep, fiery crimson, with white base. Stems of medium length; flowers large and erect, the white base contrasting well when the flower opens. Height 20 inches.....85 6 00 58 00

Euterpe. A beautiful shade of mauve, edged lilac, white center, with a blue halo. A very refined color when forced. Height 26 in....\$0 85 \$6 00 \$58 00

Farncombe Sanders.

A bright shade of scarlet, with a clear white base, contrasting well when the flower is fully open. A broad-petaled flower of large size. Fine for forcing of the border. Height 25 in.....85 6 00 58 00

Faust. Satiny purple, with blue base; very large flower of fine form; a splendid Tulip. Height 30 inches...1 20 9 00 88 00

Flamingo. An even tone of pale shell-pink. A very exquisitely colored Darwin, of refined coloring and form. Height 28 inches. 1 10 8 00 78 00

Giant. A flower of enormous size and of wonderful substance; a deep reddish purple in color, shaded violet with a white base. Height 30 in.....2 00 15 00

Glow. The deepest shade of crimson-scarlet—a color of wonderful brilliance, not unlike that of the Oriental poppy. The flowers are of large size, borne on stems 20 inches long...1 00 7 00 68 00

Gryphus. Dark violet-purple, with a white base; a flower of splendid shape. A good border variety. Even more beautiful in color when forced. Height 26 in.....1 10 8 00 78 00

Jubilee. Blue-purple, with a white base, marked blue; a flower of large size and heavy substance. Height 29 inches.....2 00 15 00

King Harold. Intense ruby-crimson, center rich black; very tall and of fine form; new and stately variety; very distinct. Height 24 inches.....85 6 00 58 00

King George V. Glowing salmon-scarlet, shaded bright rose; inside brilliant orange-scarlet with blue base. A flower of intense color for outdoors. Height 25 inches.....\$5 00 \$40 00

La Fiancee. Deep rose, shading to old-rose and delicate pink at the edges, with blue base. A splendid variety of large size, and very effective when planted with mauve and dark lavender sorts. Height 30 inches.....4 00 30 00

La Tristesse. Deep slaty blue, with white base, very distinct in color; medium-sized flower. Height 26 inches.....85 6 00 58 00

La Tulipe Noire (The Black Tulip). The nearest in color to the so-called "Black Tulip." Deep maroon-black, which has a velvety sheen in the sunlight. Height 25 inches.....1 00 7 00 68 00

Le Notre. Beautiful shade of bright pink, blue base starred white. Used for exhibition purposes on account of the very large size of the flower and its strong stem. Height 26 inches.....1 25 10 00 98 00

Louise de la Valliere. Brilliant cherry-rose with pale blue base starred white. A very clear and beautiful color. Height 24 inches. 3 50 25 00



A Dutch Bulb Garden—Darwin Tulips, one variety to each of the various and pleasingly shaped beds

Giant Darwin Tulips (May-Flowering), continued



Darwin Tulip, Rev. Ewbank, planted along the shrubby border

Mme. Barrois. Dull lilac-rose, with soft rose margin which changes with age to pale flesh-white; bluish base. A fine new Darwin of very attractive tone. Height 25 inches.....	Doz	100	1,000
		\$2 00	\$15 00
Madame Krelage. Bright rosy lilac, with a pale silvery margin. A good forcing variety and excellent for the border as well. Height 28 in....	I 00	7 00	\$68 00
Madame Raven. Dark cherry-rose, edged rosy white; white base, blue halo; medium-size flower of perfect shape. A variety of the same general character as Edmee or Mme. Krelage, but with sharper contrast between the dark rose and almost clear white edge. Height 25 in.	I 20	9 00	88 00
Marconi. Deep purple when the flower first opens, gradually changing to ashy purple as the flower ages; pure white base. Height 27 inches	85	6 00	58 00
Margaret. Pale rose ground, faintly flushed white, center white, marked blue—a very delicate color; flower globular in shape, borne on a strong stem. Splendid for forcing. Height 22 inches....	60	4 00	38 00
Massachusetts. A long and beautiful flower; clear carmine-rose at the midrib, toning off to soft pink at the edges, the inside of the white base delicately tinged blue. Height 26 inches.....	85	6 00	58 00
Massenet. An exquisite shade of pale rose, with a broad margin of creamy white; base bright blue. A grand acquisition to any collection however rare. Height 30 inches	I 25	10 00	

Matchless (Roi d'Islande). Soft old-rose, with a narrow white border; inside soft violet-rose with a blue base. A very beautiful soft color and one that forces splendidly. Height 26 inches	Doz.	100	1,000
	I 20	\$9 00	\$88 00
Mauve Clair. Soft lilac-mauve, slightly paler at the edges of petals; inside lilac-mauve, with white base. Height 26 inches.....	85	6 00	58 00
Melicette. A beautiful pure lavender, shading to paler lavender at the edges, with a beautiful blue base; quite the purest lavender Darwin. A flower of large size. Height 26 inches	I 10	8 00	78 00
Mrs. Potter Palmer. Bright purplish violet, base white; a large flower. Very attractive for border planting. Height 28 inches.....	85	6 00	58 00
Mystery. An unusual flower of a deep shiny black color, base blue. A variety used for exhibition purposes on account of its size. Height 30 inches.....	2 50	20 00	
Nauticas. Dark rose, center clear violet, shaded bronze; large flower. Excellent for outdoors and good for early or late forcing. Height 30 inches	70	5 00	48 00
Olifant. Smoky lavender of very silvery character, with distinct blue flush on outer petals; pure white base; huge flowers on very tall stems. A very early variety. Height 32 inches.....	8 00	60 00	
Painted Lady. A pale creamy white, with a faint tinge of heliotrope, gradually becoming almost pure white as the flower ages. A very good forcing variety. Height 27 inches	65	4 50	42 00
Pensee Amere. Slaty violet, with a broad flush at outer petals of rosy lilac, white base. Not a large flower but of exquisite shape. Height 26 in.	80	5 50	52 00
Petrus Hondius. Bright carmine-rose, with a dull blue base starred white. An unusually brilliant variety. Height 28 inches.....	I 20	9 00	88 00
Philippe de Commynes. A grand flower of dark, polished mahogany color, with a purple base. One of the best of the less expensive sorts in this color. Height 24 inches..	70	5 00	48 00
Pride of Haarlem. Magnificently formed flower of immense size, brilliant, deep rose, shaded scarlet, with light blue base. This variety, perhaps the most widely known for its stately habit and glorious color, is unsurpassed for border planting. Height 36 inches.....	70	5 00	48 00
Prince of the Netherlands. Lively shade of cerise-scarlet, edged rose, with a blue base. Height 31 inches	I 10	8 00	78 00
Princess Elizabeth (Julie Vinot). Beautiful clear deep pink, changing with age to rose-pink; white base. Large flower of perfect shape, quite like a rose when first open. Splendid for the border or for forcing. Height 26 inches... ..	I 10	8 00	78 00
Princess Mary. Bright carmine-rose with margin of rose-pink; inside clear carmine-rose with blue base and white halo; huge flower on a splendid stem. One of the finest of the new Darwins. Height 28 inches	18 00	140 00	
Professor Rauwenhoff. Bright cherry-red, beautiful blue base; very large flower of wonderful substance. Height 24 inches	I 00	7 00	68 00
Psyche. Old-rose, edged white, inside lighter rose, base blue. A very grand variety for February forcing. Height 26 inches	70	5 00	48 00
Purple Perfection. The color of the flower is a bright, glossy purple, large in size, and of wonderful substance. A splendid variety in the border on account of its pronounced color and size; grows to the height of 26 inches.....	I 10	8 00	78 00

Giant Darwin Tulips (May-Flowering), continued

Queen Mary. Lovely shade of cerise-scarlet, edged deep pink, with bright blue base. A large flower of a very clear color. Height 28 inches.....\$1 20 \$9 00 \$88 00

Raphael. Deep maroon-purple of rich tone, with blue base starred white. Very tall, large flower of sturdy character. The best reddish purple. Height 30 inches I 30 10 00

Remembrance. Pale lilac, general tone of the flower silvery. Quite distinct; large flower. Height 25 in. 85 6 00 58 00

Reverend Ewbank. An exquisite shade of soft lavender-violet, slightly shaded silver-gray. A variety of great merit on account of its lovely color, borne on stems 23 inches long 70 5 00 48 00

Ronald Gunn. Bright shade of violet, edged pale lavender, with a conspicuous white base. A flower of splendid shape and, like most varieties near this shade, even more exquisite when grown in pots. Height 26 inches 85 6 00 58 00

Sir Trevor Lawrence. Violet-maroon, with flush of ashy purple; inside violet-maroon with white base; very large, cup-shaped flower, on tall stem. Splendid in every respect. Height 33 inches I 10 8 00 78 00

Sophrosyne. Soft rosy lilac, edged silvery white; inside deep rose, with striking dull blue base. A large flower of very delicate beauty. Height 29 inches. 85 6 00 58 00

Suzon. Center of petals buff-rose, shading to bluish at the margin, with white base, delicately marked blue. A strong grower of fine stately habit. Height 25 in. 85 6 00 58 00

Spring Beauty. Clear scarlet, with blue-black base and white star; large flower of most refined form, and the handsomest of all scarlet-red Tulips. Height 23 inches\$1 20 \$9 00 \$88 00

The Bishop. Soft bluish violet, with ashy bloom; inside paler, with white base; a long flower of very artistic color. Height 28 inches 2 50 20 00

Valentin. A magnificent Darwin Tulip of large size and shapely form. A light violet with a blue base. Height 22 inches..... I 10 8 00 78 00

Village Maid. Soft rose with whitish base. This variety has a very large flower on a tall stem. Height 30 inches..... 2 00 15 00

White Queen. A splendid white variety; when first opening is pale rose but quickly turns white—a truly exquisite color. Height 24 inches 70 5 00 48 00

William Copeland. Uniform lilac-rose. A variety that was greatly admired in our exhibit of bulbs grown in pots at the New York Flower Show this year. May be forced as early and as easily as the early Tulips. The color, when grown indoors, becomes a most beautiful lavender. Height 24 inches I 00 7 00 68 00

William Pitt. Very dark crimson, with purplish bloom on the outer petals. Of great size and beauty. Height 24 inches I 20 9 00 88 00

Zulu. Deep, velvety purple-black; large, egg-shaped flower of very distinct form. Fine for border or forcing. Height 27 inches 70 5 00 48 00

Superb Prize Mixture. The wonderful interest in these splendid Tulips has brought out a great many varieties too numerous for listing, except those considered the best. In addition to some of the varieties listed above, our mixture contains an equal proportion of many others. Brilliant effects may be obtained by the planting of this mixture of choice named sorts. 60 cts. per doz., \$4 per 100, \$35 per 1,000.



A well-designed and pleasing display of Darwin Tulips

DUTCH BREEDER TULIPS, May-Flowering

Breeder Tulips are very similar in habit to the Darwins, and flower at the same time. Their chief characteristic is their immense blooms, borne on strong, stiff stems, many of them longer than the most gigantic Darwins. The revival of the taste for art colors has made these Tulips, at one time very popular in England, strong favorites with American enthusiasts, who find in their bronze, buff, and brown shades excellent material for contrasting with the light and bright colors of the Darwins. They require the same cultural treatment as the Darwins.



The artistic colors of the Dutch Breeder Tulips lend a distinctive and refined atmosphere to the flower border

Dom Pedro. Coffee-brown, shaded mahogany, inside rich mahogany; large flower; very fragrant. Height 21 in. . . . \$1 30 \$10 00 \$98 00

Dryad. Lilac-old-rose, margined bronzy yellow, shading to buff with age; broader margin inside with bright apple-green base. A very beautiful Breeder of which we have only a few bulbs to offer. Height 22 inches. . . . 3 00 20 00

Fairy. Reddish mahogany, with bronze shading; an extra-large flower of artistic character. Splendid in borders or for late forcing. Height 24 inches. . . . 1 10 8 00 78 00

Garibaldi. One of the finest Breeders as yet introduced. Pale lilac-bronze, with a broad primrose-yellow margin. A long and graceful flower. Height 31 inches. . . . 2 00 15 00

General Ney. Dull old-gold with olive base; large flower. Height 25 inches. . . . 1 10 8 00 78 00

Godet Parfait. Dark blue-purple, with white base and blue halo; very large flower of striking color. One of the best Breeders for the border. Height 30 inches. . . . 1 50 12 00

Golden Bronze. Light brownish yellow, with flush of heliotrope; inside rich, mahogany-brown, rich yellow base. A large, well-formed flower of attractive appearance. Height 26 in. . . . 1 10 8 00 78 00

Goldfinch. Elegantly formed, large, pointed flower. Rich golden chestnut, inside deep mahogany-brown, yellow base, marked olive. Height 30 inches. . . . 3 50 25 00

Heloise. A beautiful shade of dark brown, shaded old-rose; yellow base, marked olive-green. Large-sized flower of wonderful color and very prettily reflexed petals. Height 28 inches. . . . 2 50 20 00

Indian Chief. Reddish mahogany flushed purple, edged warm brown with age; yellow base. A huge flower of wonderful substance and most artistic shape, carried on a very tall stem. Height 33 inches. . . . 6 50 50 00

Jaune d'Oeuf. Ruddy apricot, inside soft yellow, with black base and anthers; very striking variety. Height 21 inches. . . . 1 00 7 00 68 00

James Watt. A new Breeder of exquisite form and coloring. Deep slaty violet, flushed bronze; inside dark mahogany, shaded brown, fine green base starred white. Height 26 inches. . . . 2 50 20 00

Jules Favre. Beautiful shade of deep bronze, purple flush towards center of petals. Good-sized, globular-shaped flower. Height 27 inches. . . . 1 10 8 00 78 00

Le Mogol. Pale lavender-mauve, flushed white; inside deep mauve-lilac, with beautiful white base and blue halo. A flower of medium size but of exquisite color. Height 26 inches. . . . 1 10 8 00 78 00

Lord Cochrane. Dark brown, with narrow margin of bright bronze-yellow; inside warm brown with yellow base. A striking Breeder because of the clear shade of yellow on the margin. Height 28 inches. . . . 1 50 12 00

Louis XIV. An even tone of dark purple, with a broad margin of golden bronze; a very large flower of wonderful substance; green-black base starred yellow. A very scarce variety and one that instantly meets with favor when grown. Height 30 inches. . . . 2 50 20 00

Abd-el-Kader. Dull bronze-yellow, shading to light bronze at edge of petals; inside bronze-brown, with olive-green base; good-sized flower. Height 26 inches. . . . \$2 00 \$15 00

Apricot. Dull, bronzy buff, shaded deep apricot, base olive-green. A splendid border variety, frequently having an extra number of petals. Height 25 inches. . . . 1 10 8 00 78 00

Bacchus. Dark violet-blue, the outside of the petals having a darker bloom, base starred white. Quite the nearest approach to dark blue in late Tulips. Still high in price on account of scarcity. Height 28 inches. . . . 2 00 15 00

Bronze Queen. Soft golden bronze; large flower of sturdy habit. A very exquisite color when forced and splendid for the border. Height 28 in. . . . 85 6 00 58 00

Cardinal Manning. A splendid shade of rosy violet, with a slight edge of bronze. Large-sized flower of fine form. Height 28 inches. . . . 85 6 00 58 00

Copernicus. Light coffee-brown, with slight flush of bronzy old-rose; inside warm brown, with yellow base. A large flower on sturdy stem. A fine example of the brown Breeders. Height 27 inches. . . . 1 30 10 00

Coridion. Clear yellow, with a faint suffusion of lilac; a flower of very dainty color. Fine for shrubby borders. Height 24 inches. . . . 2 00 15 00

Dutch Breeder Tulips (May-Flowering), continued

Lucifer. Clear orange, with a rosy flush and olive base, with yellow star; very large flower on a tall stem. Height 24 inches.	Doz. 100	1,000	\$2 50 \$20 00
Madame Lethierry. Dark crushed strawberry edged and flushed salmon—a unique color; medium size, a very distinct form, and a variety of great beauty when grown in partial shade. Height 26 inches.	I 10	8 00	\$78 00
Madras. Golden bronze, with dull heliotrope stripe on the outer petals, yellow base starred green. A long, good-sized flower. Height 26 inches.	I 00	7 00	68 00
Marechal Victor. Pale lavender-violet, with broad edge of buff shaded bronze; inside violet, faintly flushed mahogany with beautiful green base—a wonderful color combination which we have seen in no other Tulip. A large flower of open graceful form. Height 28 in.	4 00	30 00	
Marie Louise. Old-rose, flushed orange-salmon, with purplish bloom and olive base. A very beautiful Tulip for border planting. Height 23 inches.	I 10	8 00	73 00
Moody. Dull lilac-purple, with narrow edge of amber-brown, inside maroon-purple, with blue-purple midrib, and bright yellow base starred olive and white. Height 23 inches.	I 10	8 00	73 00
Newton. Dark purple, with plum bloom on outer petals. A flower of the same tone as Darwin Jubilee, but not so large. One of the tallest Tulips. Height 35 inches.	9 00	70 00	
Old Times. Dull garnet, edged primrose-yellow, with greenish base; rather long flower of somewhat pointed form. A showy Breeder of English origin. Height 24 inches.	I 30	10 00	98 00
Pink Pearl. A new Breeder and quite the finest of its color. The outside of the flower is a lilac-pink, inside rose, beautiful white base. A magnificent, large, egg-shaped flower. Height 26 inches.	4 50	35 00	

Dutch Breeder Mixture.

A choice mixture of many varieties of this type of Tulip. Magnificent combinations of colors and shades from beautifully flushed white to deep wine-red, art bronze and darkest, maroon. 75c. per doz., \$5 per 100, \$45 per 1,000.

Plant
a
Few
Dutch
Breeder
Tulips
This
Year

Plutarchus. Bronzy yellow, with a flush of heliotrope in the center of the petals; a flower of wonderful substance and splendid form. Height 26 inches.	Doz. 100	1,000	\$1 20 \$9 00 \$88 00
Prince of Orange. Dark terra-cotta-brown, shaded yellow, with a yellow base starred black. Splendid for the border and good for forcing. Height 24 inches.	I 20	9 00	88 00
Prince Albert. Golden brown, with purple flush through center of petals, which disappears as the flower ages. Height 32 inches.	I 20	9 00	88 00
Prince of Wales. Warm maroon-brown; inside coppery brown, with black base, starred yellow. Long flower of flat, open form, fine for planting with paler bronze Breeders. Height 28 inches.	2 00	15 00	
Roi Soleil. This new Breeder Tulip is a combination of shades—rich dark violet, flamed with bronze. A magnificent, large flower borne on strong stems. Height 28 inches.	4 00	30 00	
Queen Alexandra. Canary-yellow, broadly flushed lilac-brown at the edges of the petals. A distinct variety for outdoors or forcing. Height 23 inches.	85	6 00	58 00
Salomon. Silvery lilac, flushed buff when opening, inside slightly deeper tone, with large, white base; very long, loosely formed flower, carried on a graceful stem. Height 30 inches.	I 30	10 00	
Socrates. Deep rosy violet, with dull blue base; large flower of stately habit, often having an extra number of petals. Height 28 inches.	I 00	7 00	68 00
St. James. Dark rosy lilac, edged bronzy tan, with coppery rose flush at tips of petals; inside ruddy mahogany, edged golden brown with yellow and green base. A large flower on tall stem. Height 28 inches.	3 00	20 00	
Turenne. Purplish brown, with a broad margin of soft yellow, very large flower and on account of its unique coloring very attractive for group planting. Height 28 inches.	I 20	9 00	88 00
Velvet King. Deep, glossy purple-maroon, with a white base; a flower of gigantic size, lasting a long time in bloom. A magnificent Tulip for the border or shrubbery and forms an effective contrast when planted with the light-colored Tulips. Height 28 inches.	2 00	15 00	



Old English COTTAGE TULIPS, MAY-FLOWERING

The Cottage Tulips, like the Darwins, flower late. Many of the varieties are used extensively for late bedding and are magnificent for this purpose. The pale primrose, deep yellow, and splendid white varieties are often planted with the Darwins for effects of contrast. The following list we feel sure contains most of the best varieties. Certain varieties, like some of the Darwins, will flower a few days earlier than others, but on the whole the earliest is just at its best when the latest-flowering variety is just beginning to show bloom.

Ambrosia. This beautiful new variety of Doz. 100 1,000
Cottage Tulip contains a combination of shades—bronze with rosy lilac glow; inside of the large, well-shaped flower is a salmon-orange tone. Height 22 inches...\$2 50 \$20 00

Avis Kennicott. A rich, deep shade of yellow, with a striking black base and anthers. One of the best of the newer varieties. Height 25 in... I 20 9 00 \$88 00

Daybreak. Dull mauve, with a margin of creamy white and pale green base. A very beautiful variety. Height 17 inches... I 20 9 00 88 00

Dido. A large, well-formed flower of rich orange-rose tone, with margin of bright orange-yellow, inside bright orange with yellow base. Height 24 inches...15 00 100 00

Fairy Queen. Beautiful soft rosy lilac, outer petals broadly margined amber-yellow. A variety that should be included in every collection on account of its unique and lovely color. Height 20 inches...\$0 70 \$5 00 \$45 00

Flava. Canary-yellow, large, exquisitely formed flower with magnificent lasting qualities. Height 25 inches... 2 00 15 00

Gesneriana ixioides. Soft primrose-yellow, with black base; egg-shaped flower of medium size, attractive for the contrast between the base and the rest of the flower. Height 22 in. I 00 7 00 68 00

Gesneriana lutea. One of the best of the well-known Gesneriana family. A bedder of unsurpassed qualities, with perfect-shaped flowers of purest golden yellow, on strong stems holding the flowers perfectly erect. Height 24 in. 75 5 00 48 00

Gesneriana spathulata, or major.

The beautiful curved flowers are brilliant scarlet, with a bluish black center, on tall stems. Height 18 inches... 75 5 00 48 00

Gold Dust. Chrome-yellow, with faint edge of dull orange-red; large flower with slightly reflexing petals. A good yellow of this type, as the red edge does not suffuse the whole flower with age. Height 23 inches... I 10 8 00 78 00

Grenadier. Brilliant orange-red. A new Tulip of great beauty. Flowers long, borne on very graceful stems. Height, 24 inches... I 30 10 00

Hammer Hales. Golden brown, flushed old-rose inside bright apricot, edged bronze-yellow, with a yellow base. Height 24 inches... 2 00 15 00

Inglescombe Pink (Salmon Queen).

Beautiful soft rosy pink, slightly flushed salmon; large, globular flower of excellent form. Adapted for borders or late forcing. Height 22 inches... 70 5 00 48 00

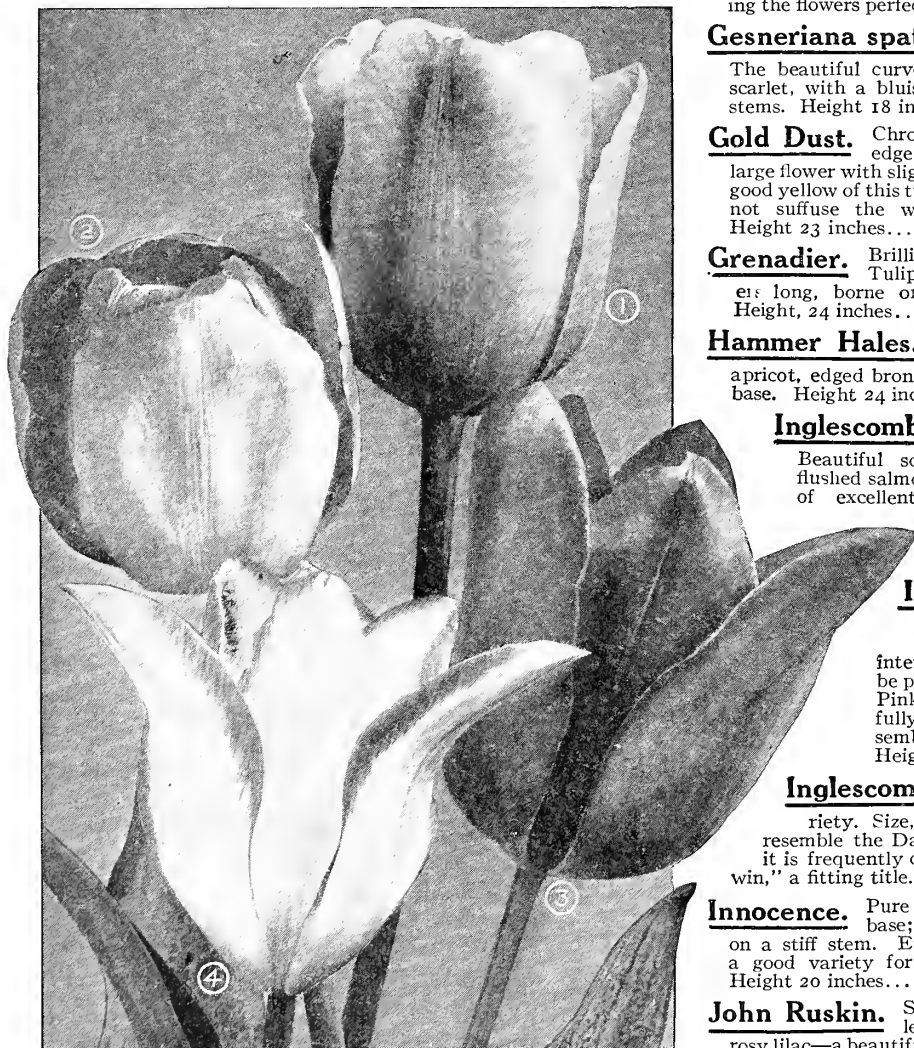
Inglescombe Scarlet.

A very charming variety of true Cottage type; intense scarlet. Should not be planted with Inglescombe Pink or Yellow, as they are fully 6 inches taller and resemble the Darwin type. Height 16 inches... 70 5 00 48 00

Inglescombe Yellow. A beautiful variety. Size, form and height greatly resemble the Darwins, so much so that it is frequently called the "Yellow Darwin," a fitting title. Height 22 inches... 70 5 00 48 00

Innocence. Pure white, with yellow base; a flower of fine form on a stiff stem. Excellent for border and a good variety for pots if forced gently. Height 20 inches... 2 50 20 00

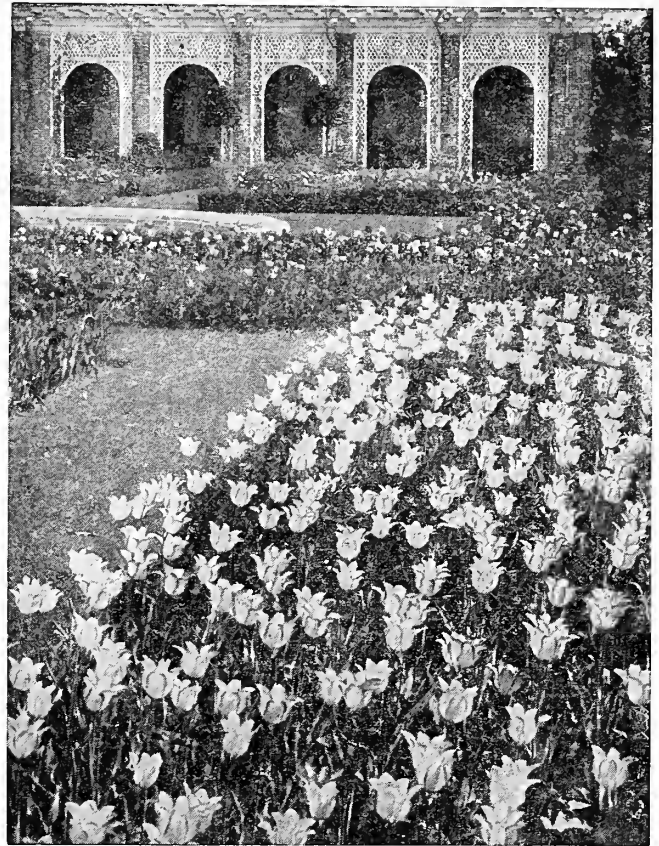
John Ruskin. Salmon-rose, edged soft lemon-yellow, inside deep rosy lilac—a beautiful combination of colors; large flower of fine shape on a graceful stem. Height 16 inches... I 00 7 00 68 00



COTTAGE TULIPS—(1) Inglescombe Pink, (2) Inglescombe Yellow, (3) Gesneriana spathulata or major, (4) Picotee

Old English Cottage Tulips (May-Flowering), continued

Kingfisher. Creamy yellow ground, with age turning whiter, irregularly striped and feathered maroon and violet; blue-green base; large flower on sturdy stem. A most interesting variety, well named because of the combination of unusual colors. Height 18 inches.....	Doz.	100	1,000
La Merveille. Very large, sweet-scented flowers. Salmon-rose, overlaid with orange-red. A grand border variety. Height 20 inches.....	70	5 00	\$48 00
Miss Willmott. A pale primrose-yellow of true Cottage form. In good demand on account of its delicate color. Height 18 inches.....	70	5 00	48 00
Moonlight. Bright canary-yellow; splendid, large flower, oval in shape, outer petals slightly reflexed at the tips. An excellent yellow for combination with the Darwin varieties. Height 22 in.	85	6 00	58 00
Mrs. Kerrell. Beautiful light rose with a delicate amber tinge, center white, bordered electric blue. A new variety of very refined coloring and shape and destined to win a place for itself among discriminating flower-lovers. Height 18 in..	2 00	15 00	
Mrs. Moon (<i>Fulgens lutea maxima</i>). Deep golden yellow, large flowers of good substance, slightly reflexing. Height 24 inches.....	1 00	7 00	68 00
Orange King. Beautiful deep orange, shaded rose, inside deep orange-scarlet with a yellow center. Height 23 inches.....	70	5 00	48 00
Picotee (<i>Maiden's Blush</i>). White, margined deep rose, the color suffusing the whole flower as it ages; medium-sized flower, reflexing. A grand Tulip for the border. The sight of a large bed planted wholly to this variety is one that will not easily be forgotten. Height 20 in..	70	5 00	48 00
Pluto. Self-colored rose-pink; good-sized flower of beautiful color and shape, with white base and blue star; best seen when planted by itself. Height 25 inches..	85	6 00	58 00
Pride of Inglescombe. White, broadly edged deep carmine-rose, white base starred blue. A long, and exquisitely-shaped Tulip somewhat like Picotee, but brighter in color. Very attractive planted in mass. Height 23 inches....	1 20	9 00	88 00
Quaintness. Old-gold, flushed deep rose; inside old-gold, shaded mahogany. Immense flower with very long petals. Height 24 inches.....	2 00	15 00	
Striped Beauty. Silvery rose, blotched and striped dark carmine and white; large, showy flower on a graceful stem. Height 18 inches.....	1 00	7 00	68 00
The Fawn. The coloring is a unique shade of pale rosy fawn, changing to blush-rose. Height 20 inches..	80	5 50	52 00
The Lizard. Deep blood-red, with purple bloom, striped and feathered yellow and white. A Tulip of most unusual markings. Height 24 inches.	85	6 00	58 00
Twilight. Dull violet-mauve, edged warm brown, irregularly striped and flamed dark violet; white base with blue halo, and striking white midrib; long, good-sized flower. Height 23 inches.....	2 00	15 00	
Union Jack. Light violet, feathered purple, with a few markings of white; blue base; large flower. A very striking variety. Height 20 inches.....	1 00	7 00	68 00
Vitellina. Pale yellow, becoming creamy white as the flower ages; large flower of great substance and beauty; sweet-scented. Excellent forcer.....	70	5 00	48 00
Walter T. Ware. Deep golden yellow, the deepest and richest color among Late Tulips; broad, globular flowers reflexing at the top. Height 18 inches.....	4 50	35 00	



A well-thought-out arrangement of Darwin and Breeder Tulips, with the Cottage Tulip Picotee in the foreground

Yellow Picotee. Beautiful canary-yellow, low, margined deep rose. A yellow counterpart to the well-known variety Picotee. A showy bedder. Height 20 inches.....	Doz.	100	1,000
	\$0 85	\$6 00	\$58 00

Superb Mixture. A select assortment, covering almost every conceivable color and shade. Those who have not grown these Tulips, and desire a mixture for trial purposes, can depend on getting every color that obtains in this beautiful class of Tulips. 50 cts. per doz., \$4 per 100, \$35 per 1,000.

BOTANICAL TULIPS

CLUSIANA. The "Little Lady" Tulip. A lovely little variety which originated in Asia Minor. Grows about 8 inches high, flowers as large as a crocus. Outer petals cherry-red, inner petals white with violet base. Should be planted 8 to 9 inches deep in light soils in a sheltered place. Excellent bulb for the rock-garden. We have exhibited pots of this lovely Tulip at the New York Spring Flower Show every year for the past ten years and it is always greatly admired. Bulbs are grown for us by a specialist in the south of France and are excellent for pot-culture as well as for the rock-garden. For indoors plant same as recommended for other Tulips. **\$1 per doz., \$8 per 100, \$78 per 1,000.**

KAUFMANNIANA. One of the earliest of all the Tulips to come in flower. Creamy white, tinged rosy red, the markings varying. The flowers are very attractive, large in size, with petals reflexing. Blooms early in April. **\$1.30 per doz., \$10 per 100.**

MARJOLETTI. Splendid for rock-gardens in a sheltered place. May be forced in pots also. Blooms outdoors during late April. **\$1 per doz., \$7 per 100, \$68 per 1,000.**

Striped and Feathered May-Flowering Tulips



Rose Bybloem Tulip, Athalia

BYBLOEM AND BIZARRE TULIPS

Bybloem and Bizarre Tulips are "rectified" Breeder types. The Tulips are of an old race which has been grown in Holland and in France since the beginning of the seventeenth century, and which caused the famous Tulip craze in 1635. The Bybloems are queerly striped and feathered rose or violet on a white ground. The Bizarres have dark brown stripes and feathering on a yellow ground. The varieties offered are the newer sorts, and the flowers are larger than the older and smaller-flowering sorts. They flower about the same time as the Breeder and Darwin Tulips but do not grow quite so tall, and are seen at best advantage when planted in clumps in the herbaceous border or among evergreens and shrubs. The stems average from 18 to 23 inches in height.

ADMIRAL KINGSBERGEN. (Rose Bybloem.) Bright crimson, feathered and flamed with white; large flower, borne on a stiff stem. **\$1.80 per doz., \$14 per 100.**

ATHALIA. (Rose Bybloem.) White, bordered and feathered bright rose. **\$1.10 per doz., \$8 per 100.**

BLACK BOY. (Bizarre.) Yellow ground, feathered and flamed dark brown. **\$1 per doz., \$7 per 100.**

EMPEROR DU MAROC. (Bizarre.) Bright yellow ground, feathered and flamed dark red. **\$1.10 per doz., \$8 per 100.**

GLORY OF HOLLAND. (Violet Bybloem.) Pure white, feathered and flamed violet-purple. **\$1.50 per doz., \$12 per 100.**

LADY STANLEY. (Violet Bybloem.) White, feathered and striped dark violet. **\$1.10 per doz., \$8 per 100.**

OVIDIUS. (Bizarre.) Reddish brown ground, feathered yellow; very attractive variety. **\$1.10 per doz., \$8 per 100.**

PRINS MAURITZ. Yellow ground, variegated dark brown. **\$1.10 per doz., \$8 per 100.**

REINE DE HOLLANDE. (Rose Bybloem.) White, feathered and flamed red; a very attractive and distinctly variegated Tulip. **\$1.10 per doz., \$8 per 100.**

ROMEA. (Bizarre.) Bright yellow, feathered and bordered with orange-red; a very striking variety of large size. **\$1.10 per doz., \$8 per 100.**

VONDEL. (Violet Bybloem.) White ground, striped dark violet and feathered light violet. **\$2 per doz., \$15 per 100.**

ROSE BYBLOEM TULIPS, MIXED. 70 cts. per doz., \$5 per 100.

VIOLET BYBLOEM TULIPS, MIXED. 70 cts. per doz., \$5 per 100.

BIZARRE TULIPS, MIXED. An excellent mixture of choice named sorts. 70c. per doz., \$5 per 100.

REMBRANDT TULIPS

Rembrandt Tulips are in reality "broken" forms of Darwin Tulips. Each year many of our best varieties of Darwin Tulips show a tendency to break, or become variegated. These Tulips, on account of their odd colorings and variegations, were very popular at one time, and while the modern tendency to favor self-colors is recognized generally throughout all countries, these broken forms are sometimes preferred and possess splendid decorative value. The stems average from 18 to 22 in. in height.

APOLLO. Lilac-rose and white, striped dark carmine. **\$1.10 per doz., \$8 per 100.**

CARACALLA. White, striped and feathered carmine-red; a very attractive variety. **\$1.10 per doz., \$8 per 100.**

EROS. Soft lilac, feathered dark violet; not a large but exquisite flower. **\$1.10 per doz., \$8 per 100.**

JULIENNE. Rose, striped and feathered carmine-purple and white. Edges of petals broadly blotched white makes splendid contrast with the rich color of the flower. **\$1.20 per doz., \$9 per 100.**

LA COQUETTE. Violet, flamed purple and white; not a large but an exquisite flower. **\$1.10 per doz., \$8 per 100.**

MARCO SPADO. White, flamed bright carmine-red; large flower. **\$1.30 per doz., \$10 per 100.**

SEMELE. White, heavily striped and feathered vivid rosy pink. A Tulip of exquisite coloring; large flower. **\$1 per doz., \$7 per 100.**

VICTOR HUGO. Brilliant carmine, feathered white; large flower. **\$1.10 per doz., \$8 per 100.**

REMBRANDT TULIPS, CHOICE MIXED VARIETIES. 70 cts. per doz., \$5 per 100.

PARROT TULIPS

Three-Year-Old Flowering Bulbs

The petals of these Tulips have peculiarly feathered and fringed edges, and the shape of the flower, especially before it opens, resembles the neck of a parrot.

85 cts. per doz., \$6 per 100

Amiral de Constantinople. Large, red flowers, tipped with orange.

Cramoisi Brillant. Deep carmine; very handsome.

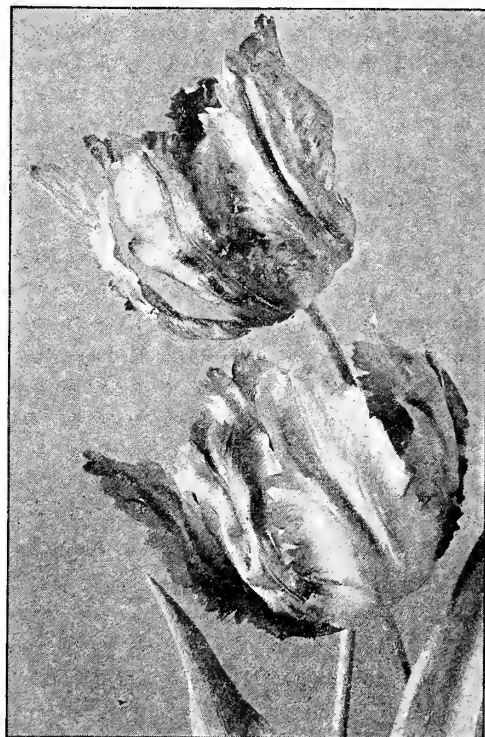
Lutea major. Large; bright yellow, with crimson and green stripes.

Markgraaf von Baden. Yellow, striped with scarlet and green.

Perfecta. Yellow and red, striped.

Rubra major. Blood-red; handsome.

Mixed Parrot Tulips. 70 cts. per doz., \$5 per 100.



Parrot Tulips



Double Tulips, Couronne d'Or

DOUBLE EARLY TULIPS

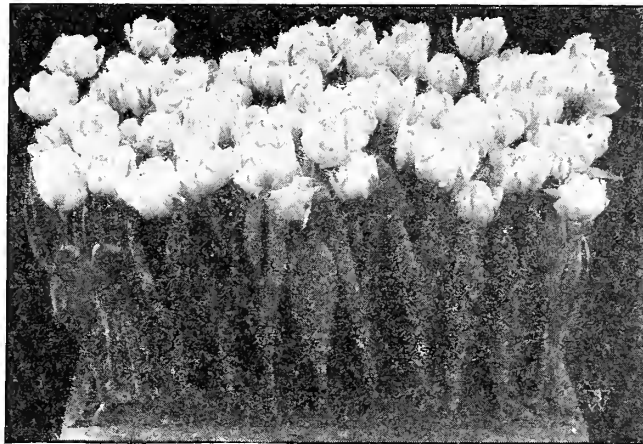
FLOWERS JUST AFTER EARLY TULIPS, IN LATE APRIL

Double Tulips are chiefly grown for their showy effects in masses, and are very lasting. Where a display of color is desired they are very satisfactory. Excellent for growing in pots or pans, but should not be forced into bloom very early.

The following list contains many of the best tested novelties, as well as all worth-while standard sorts.

Bleu Celeste.	C 14. Soft violet-purple; large flowers of very pleasing color. A beautiful Tulip for cutting or late forcing. A variety much later than other Double Tulips.....	Doz.	100	1,000
			\$0 85	\$6 00 \$58 00
Boule de Neige.	B 10. Beautiful, large, full flower of glistening white; greatly resembling a peony in form. Excellent for bedding or forcing.....		85	6 00 58 00
Couronne d'Or (Crown of Gold).	B 10. Large, bold flower of rich golden yellow, shaded copper. Excellent for bedding and winter forcing.....		85	6 00 58 00
El Toreador.	B 12. Bright orange-scarlet, with a broad margin of buff-yellow. Excellent for pots or bedding.	I 20	9 00	88 00
Golden King.	A 12. Soft canary-yellow shaded deeper yellow. Very fine for forcing or bedding.....	I 20	9 00	88 00
Imperator Rubrorum.	B 10. Excellent scarlet for bedding and forcing. Still remains among the best of the older varieties.....	I 20	9 00	88 00
Lac Van Haarlem.	C 13. Brilliant rosy violet; large; splendid form. Excellent for pots or bedding	I 20	9 00	88 00
Murillo.	C 12. Delicate rose-pink, flushed white. Fine for bedding, and excellent for forcing.....	70	5 00	48 00
Peach Blossom.	C 12. Bright rose-pink, flushed white, deepening with age to carmine-rose; large. A sport of Murillo. Excellent for pots.....	I 30	10 00	
Rose d'Amour.	B 12. Pale flesh-rose, deepening with age to soft salmon-rose; distinct shape and very lovely color. An especially beautiful Tulip for bedding or forcing.....	I 00	7 00	68 00
Rubra Maxima.	B 10. Rich deep brilliant scarlet, this is considered one of the finest varieties of its color for bedding.....	85	6 00	58 00

Safrano (Brimstone; Tea Rose).	B 12. Doz.	100	1,000
This variety is a sport of Murillo; flowers open pale yellow, flushed salmon, but develop a rosy apricot in a day or so.	\$1 00	\$7 00	\$68 00
Salvator Rosa.	B 12. Beautiful deep rose, slightly flushed white. Excellent for beds or forcing.....	85	6 00 58 00
Schoonoord.	B 12. A beautiful, pure white sport of Murillo, with the same excellent forcing qualities. One of the best, if not the best white double...	85	6 00 58 00
Van der Hoef.	C 12. A beautiful pure yellow sport of the variety Murillo. Fine new variety for forcing.	I 20	9 00 88 00
Vuurbaak.	B 12. Brilliant scarlet, when fully open the flower gets an orange hue. One of the best scarlets for bedding owing to its sturdy stem.....	I 20	9 00 88 00



Double Tulip, Murillo

S. & W. Co.'s Special Mixture. A mixture consisting of 15 named varieties, blended so as to give an assortment of all possible colors and shades, all of vigorous habit and large size, uniform height and time of blooming. 60 cts. per doz., \$4 per 100, \$38 per 1,000.

SINGLE EARLY TULIPS

FOR APRIL-BLOOMING OUTDOORS,
POTS AND FORCING

Few, if any, of the spring-blooming flowers rival the Tulip for brilliancy of bloom or ease of culture. For formal beds on the lawn or garden borders they are excellent subjects. They do not possess the same size of bloom and length of stem of the May-flowering Darwin, Breeder and Cottage varieties, but where early blooms are desired they are frequently used. Many of the varieties may be forced in bloom in January, while all the varieties may be easily had in flower in pots late in February or early March.

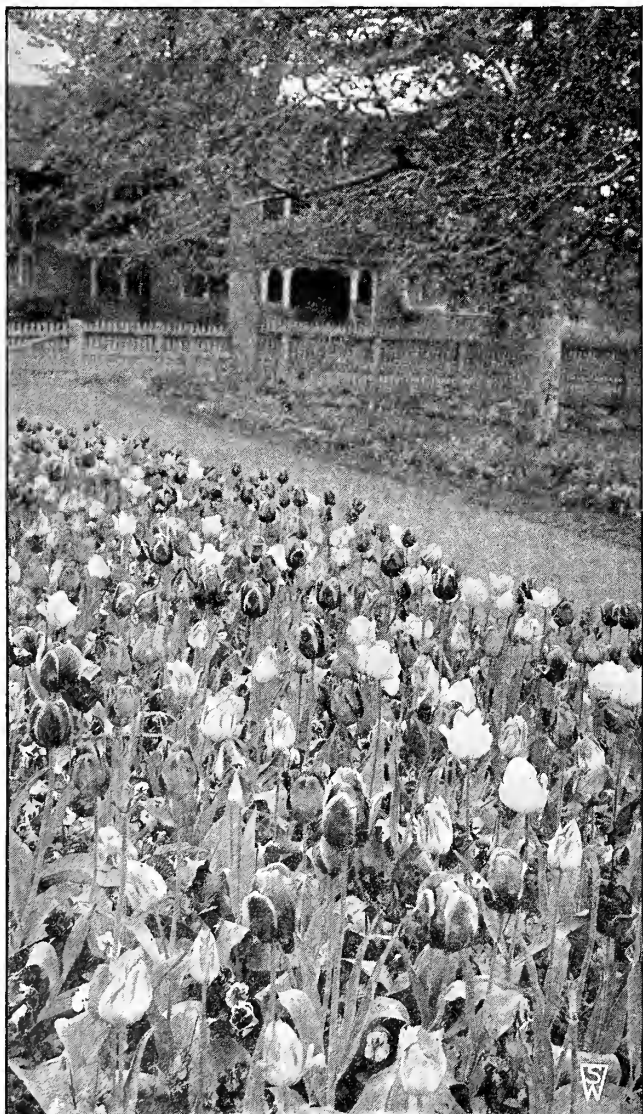
Culture.—For indoor blooming they require the same cultural treatment as Hyacinths.

Outdoor Culture.—Bulbs may be planted with good assurance of success even in early December, if the ground is open. They should be planted not more than 5 inches apart, covering the bulbs about 4 inches over the top. After the first sharp frost which forms a light crust on the surface of the soil, old leaves or litter should be spread about 6 inches thick over beds or borders to prevent frost from going deeper. Do not cover bulbs, if planted early, until the first sharp frost, as field-mice frequently nest among leaves and destroy bulbs, which is impossible if the covering is placed after the first hard frost.

Note.—The letters A, B and C, following the varieties indicate their relative earliness of bloom; but, with few exceptions, most of the varieties, however, bloom outdoors about the same time when planted in masses. The figures indicate the height in inches.

The following list contains the best novelties extant, as well as a complete list of the best standard varieties. We have discarded quite a number of varieties which no longer grow well.

BEST STANDARD AND NEW AND RARE VARIETIES



A border of Single Early Tulips

Augusta. B 10. An improvement on the Doz. old variety Rose Gris-de-Lin, but very much larger in size. A wonderful exhibition variety.....	100	1,000		
	\$0 85	\$6 00	\$58 00	
Belle Alliance. B 11. Brilliant scarlet, yellow base; large flower. An excellent variety for early forcing and does very well for bedding also...	85	6 00	58 00	

Brilliant Star. A 12. Bright vermilion-scarlet, same color as Vermilion Brilliant, but larger and of great substance. Splendid early forer, flowering easily for Christmas.....	100	1,000		
	\$1 20	\$9 00	\$88 00	
Cerise Gris-de-Lin. C 11. Dark carmine-violet, shaded fawn and margined creamy white, with yellow base; large flowers of globular form. A novel bedding variety, but must be planted alone; excellent for March forcing..	85	6 00	58 00	
Couleur Cardinal. C 12. A bright crimson-scarlet, with a deeper tone or bloom on the outer petals. A bed planted wholly to this variety is a grand sight. Grand for midseason forcing.	110	8 00	78 00	
Cramoisi Brilliant. C 13. Glowing scarlet, with yellow base; long, narrow flowers of perfect form.	85	6 00	58 00	
Cramoisi Royal. B 14. A large flower of a bright carmine-rose, borne on strong stems. A lovely satiny rose color when grown in pots.....	120	9 00	88 00	
De Wet. B 16. Golden yellow, flushed deep orange; large, sweet-scented flower of erect habit. Quite different in color from any other variety.....	2 00	15 00		
Diana. B 14. Pure glistening white, with a yellow base; long flower of handsome shape. A fine new Tulip which grows more beautiful as it ages.....	70	5 00	48 00	
Enchantress. C 10. A very novel and attractive variety. Bright cherry-red with a broad border of creamy white; excellent for forcing or bedding.....	1 00	7 00	68 00	
Flamingo. B 12. Carmine-rose, shaded lighter. The petals are striped white and very crinkled, giving the flower a decidedly artistic appearance. A very popular variety among florists for forcing on account of its odd color and habit.....	1 10	8 00	78 00	
Fred Moore. B 12. An improved form of Thomas Moore. Deep, ruddy apricot, shading at the edges of the petals to dull orange-yellow, center marked olive-green; medium-sized flower; sweet-scented. A lovely color when forced.....	80	5 50	52 00	
Golden Queen. B 13. Golden yellow; large flower of extra-fine form. Excels all existing yellows for substance, and excellent for early forcing...	85	6 00	58 00	
Ibis. B 14. Quite the finest novelty offered by us this year. A brilliant dark pink color when grown indoors. A grand exhibition variety.....	1 20	9 00	88 00	
Keizerkroon. A 15. Bright crimson-scarlet, edged clear, rich yellow; excellent, large flower on long stem. Fine bedder; splendid for forcing.....	1 20	9 00	88 00	
King of the Yellows. A 14. Deep golden yellow; the flowers are egg-shaped, very substantial and carried on a tall stem, which makes them excellent for cutting. One of the earliest yellows which should be much more used for early forcing.....	85	6 00	58 00	

Single Early Tulips, continued

Lady Boreel (Joost Van Vondel Doz. 100 1,000 White). B 13. Snowy white; large, long flower of splendid shape. The finest white for bedding, and superb for pots or pans. Cannot be forced so early as Pelican or White Hawk.....\$0 85 \$6 00 \$58 00

La Reine. B 12. White, flushed faintly with pink. Used largely by florists for early forcing and a very lovely variety..... 70 5 00 48 00

La Remarquable. C 13. Brilliant claret-purple, edged and tipped old-rose. A very large flower of elegant reflexing shape and a rather odd color among early Tulips. Good for bedding or late forcing..... 85 6 00 58 00

Le Reve (Hobbema; Sarah Bernhardt). C 14. This variety caused considerable favorable comment in our exhibit of bulbs at the New York Flower Show this spring. The color is old-rose, flushed buff; a very large, globular flower with rounded petals and carried on a strong stem. Excellent for late bedding, and retains color well if not forced before March..... I 10 8 00 78 00

Max Havelaar. Very close in color to watermelon-red; rather large, well-formed flowers. A very striking variety..... I 10 8 00 78 00

Mon Tresor. A 12. Golden yellow; the flowers are large and of a pure color. Mostly used for growing in pots or pans, for which purpose it is best..... 85 6 00 58 00

Moonbeam. B 14. Deep primrose-yellow, shading to soft canary at the edges; very large flower of graceful form. An improved form of Primrose Queen..... I 30 10 00

Pelican. A 14. A splendid new, pure white variety, and of wonderfully large size. Excellent for exhibition; sport of the variety White Hawk..... I 00 7 00 68 00

Pink Beauty. C 12. Bright cherry-rose, center of petals striped white. It has no equal as a bedder, for the stem is strong and the white center of the big, fleshy petals shows up very conspicuously against the broad, vivid rose edges. Does well in pans, but not before March..... I 20 9 00 88 00

President Lincoln. B 12. Large flower of clear magenta-violet, slightly paler in tone when grown indoors. A variety that looks well when bedded out with a pale yellow variety 85 6 00 58 00

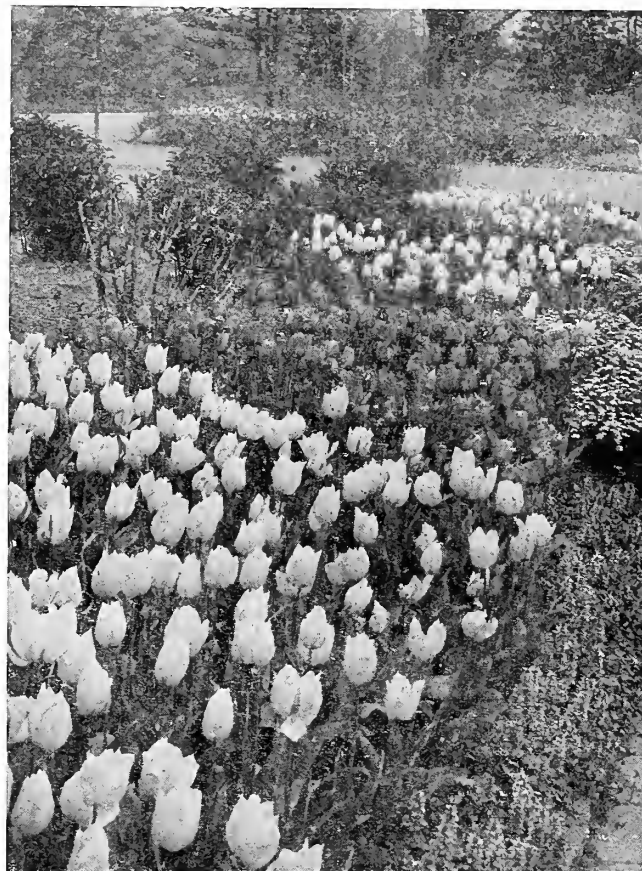
Prince of Austria. B 14. Brilliant orange-scarlet, with a clear yellow base. The flower is large and of a very attractive shade when forced. A splendid bedding variety as well.. I 00 7 00 68 00

Princess Juliana. B 12. A variety much on the order of Flamingo, but of a deeper shade of pink..... I 50 10 00

Princess Wilhelmina. B 13. Deep pink, with striking white flush on outer petals; long pointed flower. Fine for bedding..... 85 6 00 58 00

Proserpine. A 14. Rosy carmine, with a white center marked slate-blue; a very large globular flower. One of the easiest and earliest forcing Tulips; very sweetly scented. Good bedding variety also..... I 20 9 00 88 00

Queen of the Netherlands. B 13. Beautiful pale rose flower of large size. One of the finest pale pink Tulips for bedding. Good for forcing, retaining its delicate color well if not forced too hard..... 70 5 00 48 00



Beds of Single Tulips

Rising Sun. B 15. A new variety used Doz. 100 1,000 for exhibition on account of its pure yellow color, and wonderful size and substance. The finest golden yellow early Tulip introduced to date\$1 20 \$9 00 \$88 00

Rose Luisante. C 10. Brilliant, deep rose-pink; large flower. Splendid for bedding, or pots I 10 8 00 78 00

Sir Thomas Lipton. B 12. Dark scarlet, with a yellow base, marked olive-green. A flower of good substance and large size. A sport of the once popular Pottelbakker Scarlet..... I 00 7 00 68 00

The Pearl. Pale heliotrope, flushed white at base of petals—a color heretofore unknown in early Tulips.... 2 00 15 00

Van Der Neer. B 12. Deep dark purple; a flower of a most brilliant tone and splendid shape. A wonderful color out-of-doors I 00 7 00 68 00

Vermilion Brilliant. A 12. Bright, glistening scarlet, with a yellow base; very large flower of perfect shape. Splendid for early forcing... I 10 8 00 78 00

White Hawk. B 12. Lovely pure white, very large, globe-shaped, of great substance. A very early forcer.... 85 6 00 58 00

Yellow Prince. B 12. Clear golden yellow. A large flower used by florists for early forcing or bedding..... 70 5 00 48 00

S. & W. Co.'s Special Mixture. A mixture consisting of 25 named varieties, blended so as to give an assortment of all possible colors and shades, all of vigorous habit and large size, uniform height and time of blooming. 60 cts. per doz., \$4 per 100, \$38 per 1,000.

EXHIBITION HYACINTHS

Every year our growers prepare to select the finest grade of Hyacinths for us for exhibition. These bulbs are of maximum size, and fully aged for this purpose. The varieties listed below are grown especially for us, and intending exhibitors at the International Flower Show next spring will be interested in our selection of varieties which we believe, when grown for exhibition, should capture First Premiums. The Hyacinth enthusiast who is interested in novelty varieties will also find this list valuable.

We offer only the best sorts. There are several hundred varieties grown abroad, but we do not consider that there are over thirty of them worth growing. Bulbs such as we supply should be planted singly in a 5-inch pot, or four bulbs to an 8-inch bulb-pan. As there is a slight variation in the time of flowering between the different varieties, we have therefore indicated the relative time of blooming, 1 being early, 4 the latest.

ARENTEINE ARENDSSEN. 1. Snowy white; open, wide-petaled bells, and narrow, well-filled spike. A splendid exhibition variety.

CITY OF HAARLEM. 3. Soft Naples yellow, shaded deeper; large, well-formed truss and good stem. One of the best new yellows.

DR. LIEBER. 2. Pale lavender-blue, with a faint tinge of dark violet; large spike, well filled out. A handsome variety for bedding and a very early forcer.

ELECTRA. 2. Light silvery blue; an enormous spike; full and well finished, with large bells. A very lovely shade of blue in Hyacinths.

GENERAL DE WET. 2. Soft light pink; a fine spike with large bells. Pink sport of the well-known variety, Grand Maitre.

GERTRUDE. 1. Dark pink; strong, compact spike. A variety used largely by commercial florists on account of its earliness.

GRAND MAITRE. 2. Dark lavender-blue; large bells, and very long, well-filled truss, on an unusually strong stem.

KING OF THE BLUES. 4. Deep dark blue; splendid spike and bell. Excellent for late forcing.

LADY DERBY. 1. Clear rose-pink variety. A splendid forcing variety as the strong stems hold the truss well. Considered the finest rose-pink Hyacinth.

LA GRANDESSE. 3. Pure white flowers with waxy bells on long, full spike of perfect form.

LA VICTOIRE. 1. Bright, glistening carmine-rose, under glass this variety is a fine dark pink; well-filled spike on a strong stem.

L'INNOCENCE. 1. Pure white; fine truss of large bells, of great substance.

LORD BALFOUR. 1. Lilac-rose, tinged dark violet—a distinct color. The best Hyacinth of this color.

MENELIK. 2. Deep black-blue; large, well-formed truss with bells of good size, best of the so-called "blacks."

PERLE BRILLANTE. 2. Light blue, lavender; big bells on a large, finely formed, stiff spike.

PRINCE HENRY. Clear Naples yellow. Long, narrow truss, with good bells and stem. A splendid new yellow variety.

QUEEN OF THE PINKS. 3. Very bright rose-pink, of unusually clear tone; large spike with large bells.

SCHOTEL. 1. Soft light blue; very long and perfect truss, with large bells; easily forced.

WHITE LADY. 2. A splendid new white variety, with a strong, compact spike and large pure white bells.

YELLOW HAMMER. 1. Creamy yellow; compact spike and large bells.



These large spikes of Dutch Hyacinths were produced from our Exhibition Grade

Special Offer. We place large contracts for the above varieties and thus secure the pick of the crop. This enables us to offer at a uniform price of 35 cts. each, \$3.50 per doz., \$25 per 100.



Clara Butt

Mrs. Potter Palmer

Edmee

Dream

FOUR POPULAR DARWIN TULIPS

THE modern garden is usually planted to a color scheme. The illustration above suggests the planting of your flower borders in blocks of 25, 50, or 100 of a variety, with a definite color scheme in mind. The four varieties suggested, when planted in the order given, will produce a very lovely color scheme. The lilac and mauve coloring of Dream, followed by the brighter cherry-rose tone of Edmee, and this followed by the bright violet of Mrs. Potter Palmer, with the beautiful pure salmon-pink Darwin, Clara Butt, form a very effective color scheme. They are quite the least expensive of the Darwin Tulips and will always remain prime favorites.

	Doz.	100	1,000		Doz.	100	1,000
Dream	\$0 70	\$5 00	\$48 00	Mrs. Potter Palmer	\$0 85	\$6 00	\$58 00
Edmee	85	6 00	58 00	Clara Butt	70	5 00	48 00

SPECIAL COLLECTION OFFER

25 bulbs each of the above 4 varieties,	100 bulbs	\$5 25
50 bulbs each of the above 4 varieties,	200 bulbs	10 00
100 bulbs each of the above 4 varieties,	400 bulbs	19 00
250 bulbs each of the above 4 varieties,	1,000 bulbs	45 00

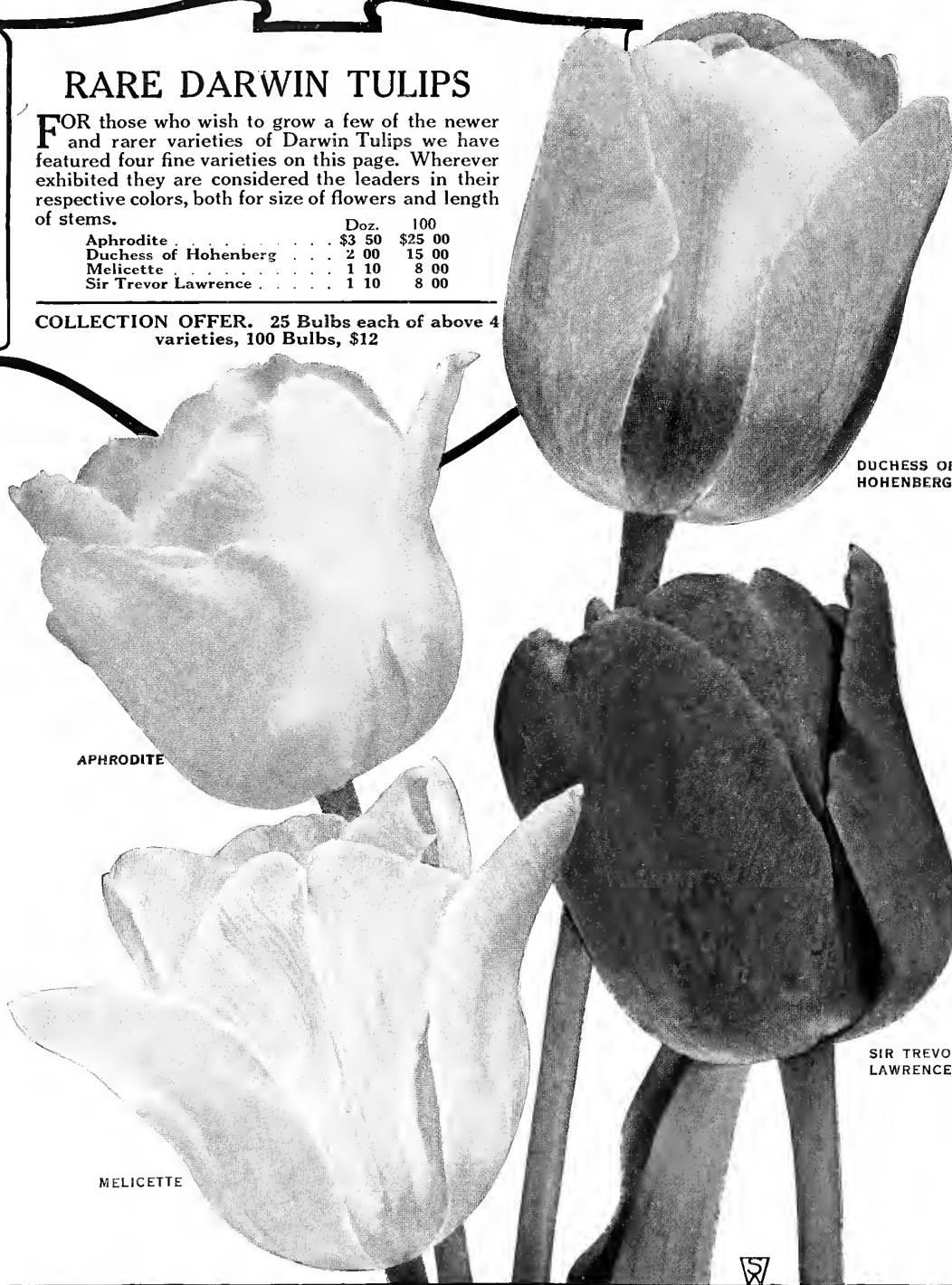
For complete descriptions of the varieties mentioned above see pages 4 and 6

RARE DARWIN TULIPS

FOR those who wish to grow a few of the newer and rarer varieties of Darwin Tulips we have featured four fine varieties on this page. Wherever exhibited they are considered the leaders in their respective colors, both for size of flowers and length of stems.

	Doz.	100
Aphrodite	\$3 50	\$25 00
Duchess of Hohenberg	2 00	15 00
Melicette	1 10	8 00
Sir Trevor Lawrence	1 10	8 00

COLLECTION OFFER. 25 Bulbs each of above 4 varieties, 100 Bulbs, \$12



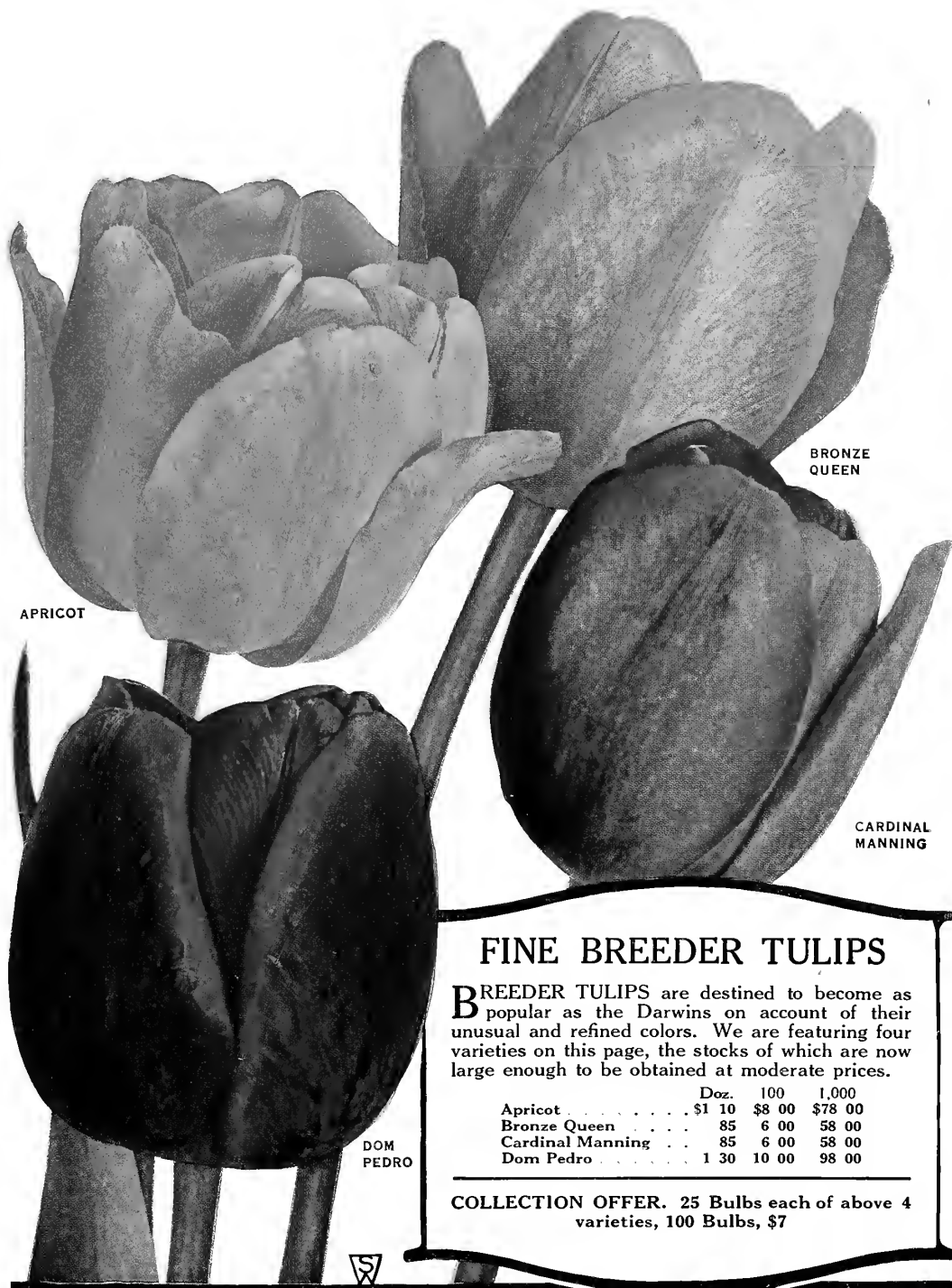
APHRODITE

DUCHESS OF
HOHENBERG

MELICETTE

SIR TREVOR
LAWRENCE

For complete descriptions of varieties of Darwin Tulips listed above see pages 4 to 7



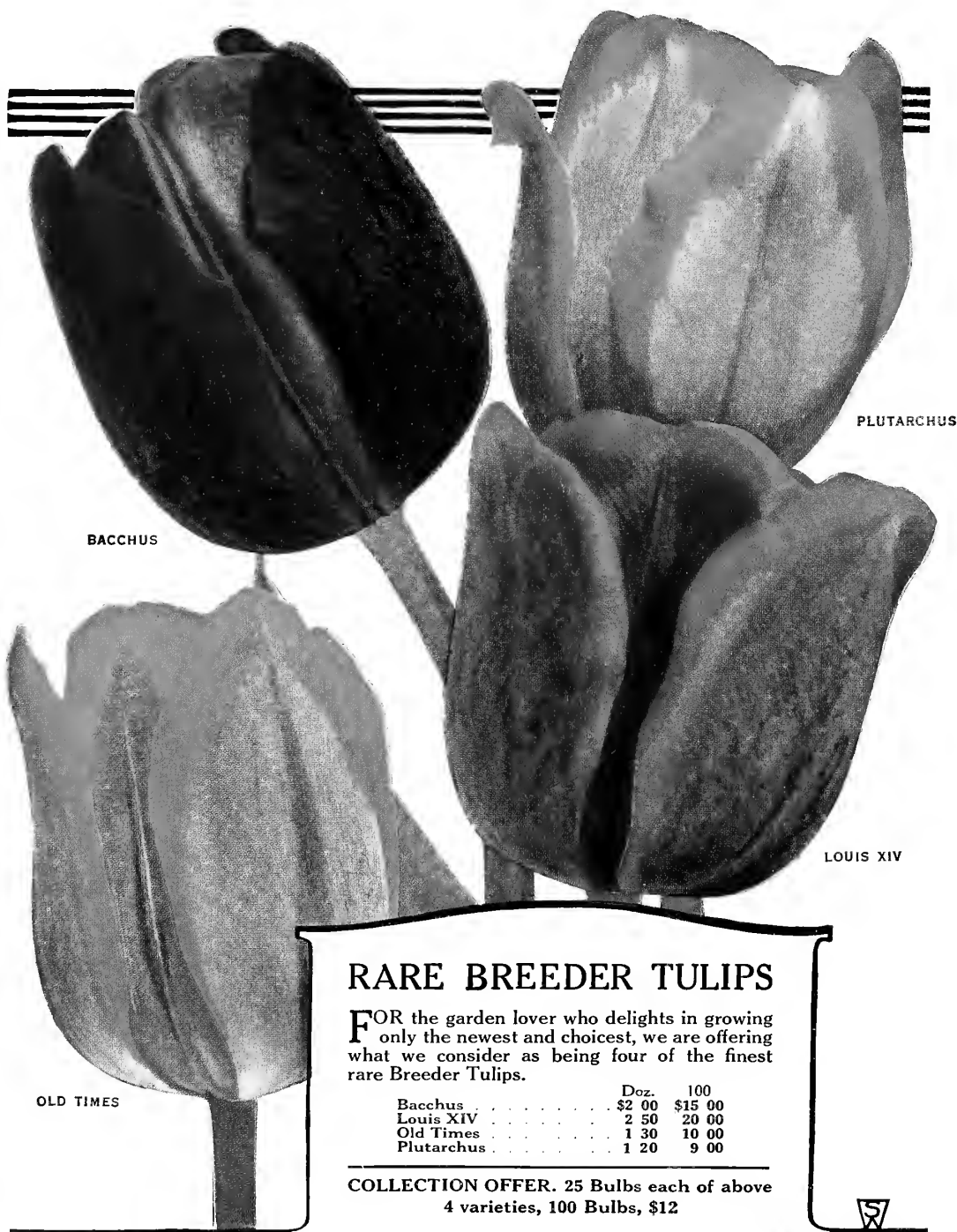
FINE BREEDER TULIPS

BREEDER TULIPS are destined to become as popular as the Darwins on account of their unusual and refined colors. We are featuring four varieties on this page, the stocks of which are now large enough to be obtained at moderate prices.

	Doz.	100	1,000
Apricot	\$1 10	\$8 00	\$78 00
Bronze Queen	85	6 00	58 00
Cardinal Manning	85	6 00	58 00
Dom Pedro	1 30	10 00	98 00

COLLECTION OFFER. 25 Bulbs each of above 4 varieties, 100 Bulbs, \$7

For complete descriptions of Breeder Tulips listed above see pages 8 and 9



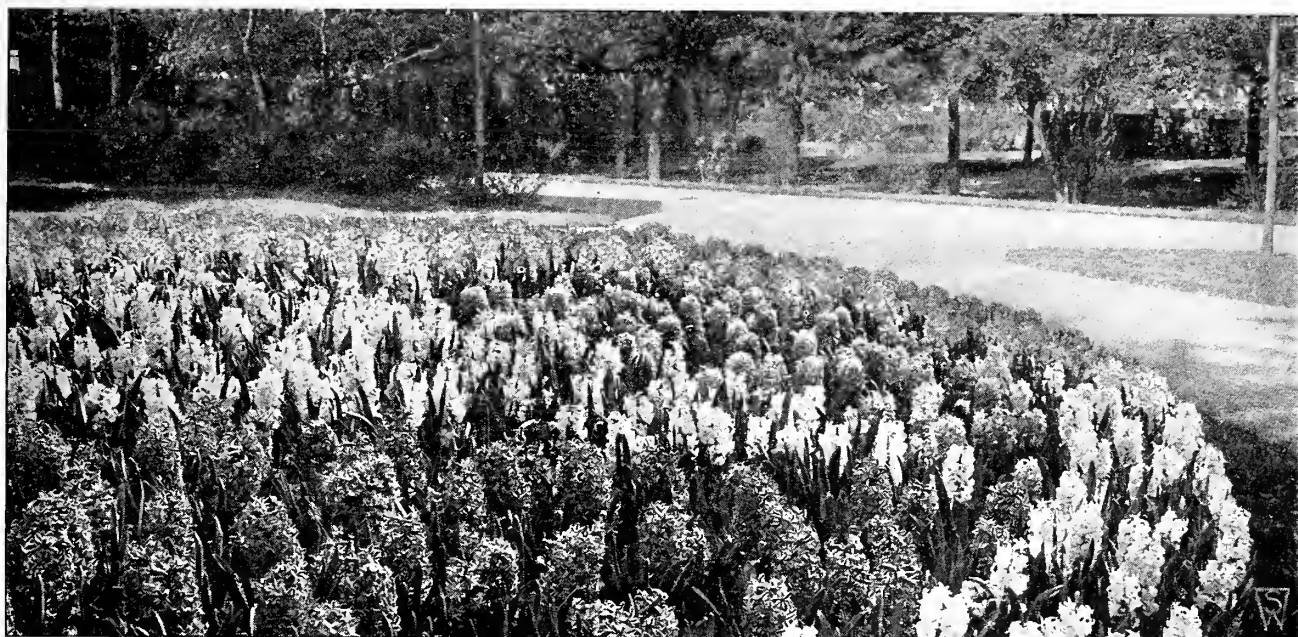
RARE BREEDER TULIPS

FOR the garden lover who delights in growing only the newest and choicest, we are offering what we consider as being four of the finest rare Breeder Tulips.

	Doz.	100
Bacchus	\$2 00	\$15 00
Louis XIV	2 50	20 00
Old Times	1 30	10 00
Plutarchus	1 20	9 00

COLLECTION OFFER. 25 Bulbs each of above
4 varieties, 100 Bulbs, \$12

For complete descriptions of varieties of Breeder Tulips listed above see pages 8 and 9



MATCHLESS BEDDING HYACINTHS

Special named varieties in distinct shades of color, to flower at the same time

BULBS MEASURE 7 TO 8 INCHES IN CIRCUMFERENCE

The Hyacinth chosen to represent each of the following shades of color is a variety which, we have found from trials, will be best in the three essential requirements: Best in its color; stoutest stem; largest truss of bells; so our customers will know that we have avoided using such varieties that are of weak stem, and that do not support the blooms.

SPECIAL NOTICE: *Owing to the unprecedented demand in Holland from such countries as Sweden, Norway, Denmark, and Germany, for Hyacinth Bulbs, the supply is less than the demand. This has resulted in greatly increased prices. During the war, Hyacinth culture in Holland was greatly reduced, owing to the lack of European demand. These new markets have now opened, with the result that Hyacinths are now at a premium. Rather than contract for inferior sizes, we were obliged to raise our prices.*

CULTURE

These Hyacinths should be planted from 6 to 10 inches apart, and covered with at least 4 inches of soil from the top of the bulb. For beds or borders close to the conservatory or dwelling, 6 inches will make a fine display; but where the beds are planted to be viewed from a distance, they may be planted 10 inches apart. Hyacinths planted alternately with narcissi produce a most graceful effect, and for this combination 6 inches from bulb to bulb is also a very suitable distance. It is advisable to cover, after the bulbs have been planted, with leaves or some heavy material that will prevent them from freezing or being affected by early spring frosts after they have started.

Hyacinths, as well as narcissi, should be planted by November first in this latitude, as they are the better for early planting. Tulips may be planted up to December first, weather permitting.

Delivered (by Express or Parcel Post) anywhere in the United States

	Doz.	100	1,000
Matchless Bedding Scarlet	\$2 00	\$15 00	\$140 00
Matchless Bedding Pink	2 00	15 00	140 00
Matchless Bedding Light Blue	2 00	15 00	140 00
Matchless Bedding Dark Blue	2 00	15 00	140 00
Matchless Bedding Pure White	2 00	15 00	140 00
Matchless Bedding Mauve	2 00	15 00	140 00
Matchless Bedding Deep Yellow	2 00	15 00	140 00

Suggestions for Effective Color Combinations

1. Matchless Bedding Pink and Light Blue.
2. Matchless Bedding Light Blue and Deep Yellow.
3. Matchless Bedding Light Blue and Dark Blue.
4. Matchless Bedding Dark Blue and Deep Yellow.

Miniature Hyacinths

(DUTCH ROMANS)

The following method of growing Hyacinths for winter-flowering in the house has given the most satisfactory results. A number of florists use it for creating something new in the line of an Easter display, with the result that there is always a much greater demand than supply, owing to the beautiful display the Hyacinths in pans make. The secret of acquiring success is simply the following: Plant only one kind in a pan, in order to have them all bloom at once, and to have them all the same shade. The following varieties are the best sorts. By planting 8 or 10 bulbs of any one variety mentioned, in a pan 7 or 8 inches in diameter, and following the directions for planting in pots, the most satisfactory results will be obtained. In ordering bulbs for this purpose, be sure to mention Miniature Hyacinths. On account of the unprecedented rise in the price of all Dutch Hyacinths in Holland, we have decided to list a lesser number of varieties. We offer four of the most distinct sorts, which we know will give excellent satisfaction.

FOUR FINE VARIETIES

City of Haarlem. Best Naples yellow.

Gertrude. Beautiful dark pink.

Grand Maitre. Dark lavender-blue.

La Grandesse. Pure white.

Price of any of above named varieties, \$1 per doz., \$8 per 100, \$75 per 1,000.



Miniature Hyacinths

French Roman Hyacinths

French Roman Hyacinths are among the earliest bulbs to be had in flower. The bulbs arrive from France late in August, and, like all bulbs grown in the south of France, they may be had in flower from November all through the winter months, if potted up in September and at intervals of every two weeks. They are much prized for pots or cutting on account of their graceful appearance and delicate fragrance. The bulbs are about the same size as the Miniature Dutch Hyacinths offered on this page, and may be planted six or seven to a 5- or 6-inch pot, or ten to twelve bulbs to an 8- or 9-inch bulb-pan. The flowers are smaller than those of the Dutch Hyacinth, and are borne in great profusion, the larger bulbs frequently having three to five graceful spikes of bloom. Their ease of culture and earliness of bloom suggest their use. The white variety is the most reliable. They are not hardy in our northern climate, and should not be planted outdoors. The general culture given for Hyacinths on page 16 is suggested.

	Doz.	100	1,000
White. Mammoth bulbs, 12 to 15 ctns.	\$2 50	\$16 00	\$150 00
Jumbo bulbs, 13 to 15 ctns.	3 00	20 00	180 00
Single Rose. First-size bulbs.	1 30	10 00	95 00
Single Blue. First-size bulbs.	1 30	10 00	95 00

Our patrons desiring Hyacinths for culture in glasses are advised to select varieties from page 16. We offer Hyacinth Glasses, both Belgian and Tye shape, at 45 cts. each, \$4.50 per doz.



French Roman Hyacinths

Polyanthus Narcissi

VARIETIES FOR EARLY FORCING

Not for Outdoor Planting, except south of the Carolinas

We have decided to discard all the varieties of these Narcissi that are usually grown in Holland and would recommend our patrons to make selections from the Poetaz type listed on page 23 of this catalogue. The varieties **Paper-White Grandiflora**, **Grand Soleil d'Or**, and **Gloriosa** we list below. These are grown for us in the south of France. They arrive in this country in August and are used principally by the florists for forcing. As these varieties are matured earlier in the south of France than in Holland, they may be brought in flower in the house or greenhouse in December or January, if potted up in September.

Gloriosa. A new variety similar in character to Grand Soleil d'Or, but with white flower and yellow cups. Very good for early forcing. **\$1.75 per doz., \$12 per 100, \$100 per 1,000.**

Grand Soleil d'Or. A popular yellow bunch-flowering variety of the Polyanthus type. Flowers a clear, sunny yellow, with bright orange cups. Excellent for early flowering indoors. **\$1.75 per doz., \$12 per 100, \$100 per 1,000.**

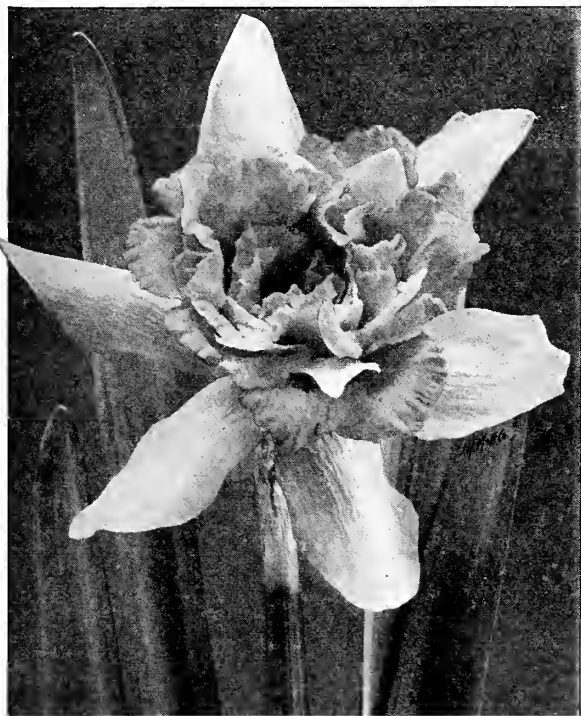
Suitable for Growing in Water Giant Paper-White Grandiflora

This large-flowering Paper-White Narcissus is such an improvement over the ordinary Paper-White that we have decided to discontinue the sale of the latter. It can be had in bloom from Christmas to Easter. Plant bulbs in shallow boxes or pots so that they almost touch each other, and store in a cool cellar or shed until rooted. By bringing into the light during early November they may be had in bloom for Christmas. Excellent results can be obtained by growing in bowls of water and pebbles or moss, the same as the Chinese Sacred Lily.

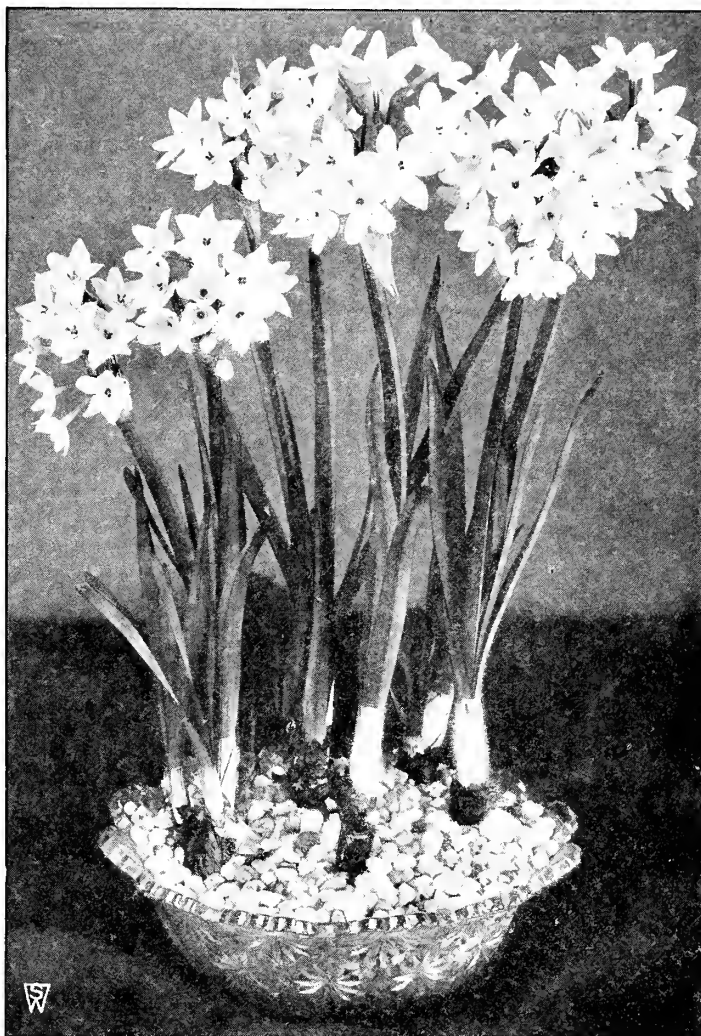
	Doz.	100	1,000
Jumbo bulbs.	\$0 75	\$6 00	\$50 00
First Size.	50	4 00	35 00

GLASS BOWLS. For three bulbs of Paper-White Grandiflora Narcissi or Double Roman Narcissi. **35 cts. each, \$3.50 per doz. For 6 bulbs, 50 cts. each, \$5. per doz.**

PEBBLES. Carefully screened and selected. **Quart box 20 cts., 2 qts. for 35 cts.**



Double Narcissus, Von Sion



Paper-White Grandiflora Narcissi growing among pebbles in water

Double Narcissi (Daffodils)

The Double-flowering Daffodils offered in our list may be planted outdoors, but are admirably adapted for indoor growing in pots and pans, or may be forced in flats for cutting purposes. We have listed, for the first time this year, three of the newer varieties of Double Daffodils, which are splendid for pot-culture but are excellent for outdoor planting as well.

Argent. C. This variety is best described as a Doz. 100 1,000
Double Incomparabilis. Very pale primrose perianth with a double row of petals; chrome-yellow cup. A fine new Double Daffodil with a strong stem. Height 14 inches. \$1 50 \$10 00 \$95 00

Dubloon. B. Similar in type to the variety Argent, except in color which is a deep yellow, center shaded orange; very beautiful flowers; bold stiff stems. Height 13 inches. 1 00 7 00 65 00

Primrose Phoenix. B. A very lovely variety of the same type as the two varieties described above. The beautiful rose-shaped flowers are an even tone of soft lemon-yellow. A splendid acquisition to the Double Daffodil family. 3 00 20 00

Von Sion. B. This, the most popular of the Double Narcissi, is famous as the Old Double Yellow Daffodil. Rich golden yellow perianth and trumpet. This is one of the best winter-flowering forcing sorts. Height 18 inches.

Jumbo Exhibition Grade.	1 00	7 00	65 00
First-Size Single-Nose.	70	5 00	45 00

NARCISSI or DAFFODILS

No garden would be complete without the Narcissus or Daffodil. The innumerable positions in the garden in which their use may be availed of is responsible for their popularity. It is not only for garden culture that they are largely used, but many of the varieties are extensively grown in pots or pans for indoor decoration during late winter months. Some varieties in our list may be forced into bloom as early as January. Their simple beauty of form, dignity of habit, elegance of bloom and ease of culture, account for the new interest amounting to enthusiasm of flower-lovers all over Europe. Each year we are greeted with a profusion of novelties, many of which, on account of the high prices, are not available for immediate use.

All the varieties of Narcissi or Daffodils offered in our catalogue, with the exception of the Polyanthus Narcissus and such other few sorts as are especially noted, are perfectly hardy, and will continue to flower outdoors each year if given a congenial location and not disturbed. Where they are used for bedding, and must be lifted, it is wise to permit bulbs to remain after flowering until the foliage turns brown down to the ground, then lifted, and the earth shaken from the bulbs; they should be stored in a cool, dry place. Narcissi, like hyacinths, should be planted by early November, and should not be allowed to remain out of the ground so long as tulips, which may be planted up to hard frost.

CULTURE.—Owing to the various sizes of the bulbs, it is not advisable to state the exact depth to plant, but the simple rule of covering the bulb one and a half times its own depth, and making the distance between the bulbs 3 to 4 inches for the smaller sorts and 5 to 6 inches for the larger ones, is a good one. For greenhouse or window-garden culture treat them the same as hyacinths, except that three or more bulbs of one variety should be planted in a pot, and not single specimens.

Where a succession of blooms is desired for outdoors as well as indoors, we have arranged the following code: A, first early; B, second early; C, midseason; D, late; E, very late.

NOTE.—In describing Daffodils, Narcissi, etc., we have referred to the "perianth" and "trumpet," "crown" or "cup." The "perianth" is the surrounding row of petals or wings, and the other terms apply to the central funnel-like tube.

Giant Trumpet Varieties, Including New and Rare Sorts

The flowers of the Giant Trumpet varieties are of large size; the "perianth," or wing-like petals, according to the variety, measure from 2 to 4 inches across, and the "trumpets," or central funnel-like tubes, vary from 3 to 4 inches in length. Flowers are borne on strong, stiff stems, from 12 to 18 inches high.

Albicans. Discarded. Mme. de Graaff recommended instead.

Alice Knights. White perianth with gracefully twisted petals; elegant form. Quite the earliest-flowering White Trumpet for outdoors or pots. **30 cts. each, \$3 per doz., \$20 per 100.**

Duke of Bedford. B. White perianth, with loose, spreading petals and long, deep yellow trumpet well frilled at the mouth. The marked contrast in color between the deep trumpet and the glistening white perianth is very effective. A splendid exhibition sort. Height 16 inches. **35 cts. each, \$3.50 per doz., \$25 per 100.**

Emperor. C. Perianth deep primrose-yellow, trumpet rich yellow; a very large flower. Excellent for naturalizing or forcing. Height 18 inches.

	Doz.	100	1,000
Jumbo bulbs	\$1 50	\$9 00	\$85 00
First-size, round bulbs	1 00	7 00	65 00

Emperor. (French-grown.) A strain of the above described variety grown in the south of France and used here for early forcing. **\$1.50 per doz., \$9 per 100, \$85 per 1,000.**

Empress. C. White perianth of great substance; trumpet rich chrome-yellow. Showy for border or naturalizing. Does equally well forced. Height 18 inches.

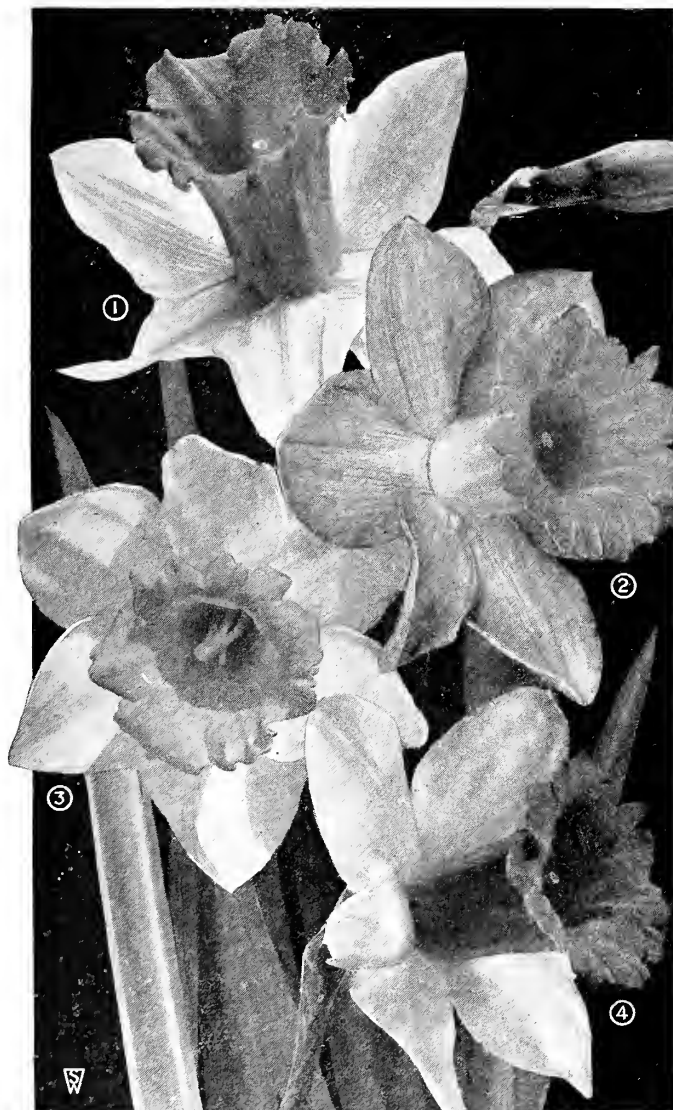
	Doz.	100	1,000
Jumbo bulbs	\$1 50	\$9 00	\$85 00
First-size, round bulbs	1 00	7 00	65 00

Glory of Leyden. C. Perianth pale yellow, broad and spreading, very long trumpet of golden yellow; enormous flower of great vigor and substance. An especially fine variety for borders and excellent for pot culture. Should not be forced hard. Must be planted early. Height 15 inches. **15 cts. each, \$1.50 per doz., \$10 per 100.**

Glory of Noordwijk. B. One of the best and most attractive of the Bicolors; perianth sulphur-white, trumpet chrome-yellow, very long and elegantly reflexed at the brim; of good size and substance. Grand for pots or cutting. Height 14 inches. **15 cts. each, \$1.50 per doz., \$10 per 100.**

Golden Spur. A. A very good variety, both perianth and trumpet being of a rich yellow color; foliage very broad and striking. It is of unusually robust habit and unsurpassed for garden, pots, or forcing. Early and extremely free flowering. Height 18 inches.

	Doz.	100	1,000
Jumbo bulbs	\$1 50	\$9 00	\$85 00
First-size, round bulbs	1 00	7 00	65 00



Giant Trumpet Narcissi

1. Van Waveren's Giant.
2. King Alfred.

3. Glory of Noordwijk.
4. Spring Glory.

Giant Trumpet Narcissi, continued

Grace Darling. Discarded. Mme. de Graaff recommended instead.

Henry Irving. Discarded. Emperor recommended instead.

Horsfieldii. Discarded. Victoria recommended instead.

King Alfred. C. A king among the new varieties, one that responds splendidly to forcing and one that you should grow a few of. For pans or pots for exhibition, its size, general vigor, and depth of color put it in a distinct class of the **Finest Giant Golden Yellow Narcissi**. Wherever this Narcissus has been exhibited it has caused a sensation. Perianth often measures 4 inches across, trumpet fully 2 inches.

	Each	Doz.	100
Jumbo Bulbs	\$0 35	\$3 50	\$25 00
First-Size Round Bulbs	30	3 00	20 00

Lord Roberts. Yellow Trumpet. Perianth of remarkable substance, something like two triangles of petals superimposed; long, sturdy trumpet, wholly in keeping with the noble character of the flower. A self-toned, deep, golden yellow. A free bloomer and tall grower of enormous size and color. Height 23 inches. **\$1 each, \$10 per doz., \$75 per 100.**

Loveliness. B. White Trumpet. Broad, smooth perianth of snowy whiteness, bold substance; very elegant white trumpet expanded at the mouth. A very graceful and refined flower. Considered the best white trumpet Daffodil. Height 14 inches. **\$1 each, \$10 per doz., \$75 per 100.**

Mme. de Graaff. C. Pure white perianth, trumpet primrose, passing into white, well formed at the brim. A good white for exhibition, or growing in pots or pans for decoration. Bulbs should be removed from containers immediately upon receipt and planted; if permitted to remain will quickly decay. Height 15 inches. **15 cts. each, \$1.50 per doz., \$10 per 100.**

Olympia. B. Perianth light chrome-yellow, trumpet deep chrome-yellow; of huge dimensions. Splendid exhibition sort; a variety in the same class as King Alfred; of wonderful constitution and size. Height 15 inches. **35c. each, \$3.50 per doz., \$25 per 100.**

Peter Barr. White Trumpet. White perianth of rather loose and spreading form; huge trumpet of pale ivory-white, very long and beautifully recurving at brim. A flower of exquisite symmetry, fine substance, and very noble character, the largest White Trumpet in our list. Strong grower and free bloomer. Height 15 inches. **\$1 each, \$10 per doz., \$75 per 100.**

Spring Glory. Clear white perianth with long petals of splendid form, long trumpet of deep yellow, well reflexing at the brim. A very vigorous grower and one of the best of the newer Daffodils for pot culture. **20 cts. each, \$2 per doz., \$15 per 100.**

Treserve. B. Yellow Trumpet. Perianth primrose-yellow, slightly hooded; very large trumpet of rich canary-yellow, broad at the mouth and deeply flanged. Height 17 inches. **40 cts. each, \$4 per doz., \$30 per 100.**

Vanilla. C. This is a grand, tall-growing and very handsome variety, having a fine, bold trumpet of deep yellow, with a paler perianth, and possessing the added charm of a most pleasing and delicate odor. It flowers the same time as Emperor, and is a good variety for forcing. Height 20 inches. **15 cts. each, \$1.50 per doz., \$10 per 100.**

Van Waveren's Giant. B. Bicolor Trumpet. Broad perianth of campanulate form, bright yellow trumpet with very large, open mouth flanged at brim. Huge flower of vigorous habit and very showy character. Height 17 inches. **35 cts. each, \$3.50 per doz., \$25 per 100.**

Weardale Perfection. Perianth milk-white with broad, overlapping petals; long trumpet of primrose-yellow; elegantly fluted at the mouth. A good grower and free bloomer. **35 cts. each, \$3.50 per doz., \$25 per 100.**

VICTORIA B

A Bicolor famous for its large and durable flowers which stand boldly erect; broad perianth of creamy white; large, broad, fluted trumpet of rich yellow. A strong grower, with massive flowers. Fine for forcing, the flowers lasting in excellent condition long after being cut. Height 16 inches.

	Doz.	100	1,000
Jumbo bulbs	\$1 50	\$9 00	\$85 00
First-size, round bulbs	1 00	7 00	65 00



Giant and Medium Trumpet Narcissi

1. Sir Watkin (Medium).
2. Empress (Giant).
3. Victoria (Giant).
4. Conspicuous (Medium).

Giant Trumpets in Mixture. For naturalizing. Each year we import large quantities of these bulbs for naturalizing, and frequently, at the end of the season, prepare a mixture of some of the best varieties which we have in surplus for this purpose, which we offer at the very low price of \$5.50 per 100, \$50 per 1,000.

Medium Trumpet Narcissi, or Daffodils

This is also a very popular type or rather types of the Narcissus or Daffodil family. Splendid for garden culture, in pots or pans, or in flats, for cut-flowers.

The following varieties are grouped in some catalogues under the headings, Barrii, Incomparabilis and Leedsii types.

NOTE.—"Perianth" is surrounding row of petals, or wings; "crown" or "cup" is the central cup or funnel-like tube.

BARRII. Daffodils belonging to this group are crosses between Yellow Giant Trumpets and the Poet's Narcissi. The crown usually is not over one-third the length of the perianth petals.

INCOMPARABILIS. The Incomparabilis varieties are also crosses between the Yellow Giant Trumpets and the Poet's Narcissi, but the crowns are larger than those of the Barrii group, sometimes being three-fourths of the length of the perianth petals. The color of the perianth is either yellow or white.

LEEDSII. These are crosses between White Giant Trumpets and the Poet's Narcissi. The crowns are as large as those of the Barrii and Incomparabilis groups, but the perianth petals are always white, and the crowns are mostly white or light yellow.

Autocrat. (Incomparabilis.) C. Clear golden yellow; broad perianth tending to reflex, cup widely expanded at the mouth. A very handsome variety for the border or pots. Height 20 inches. 15 cts. each, \$1.25 per doz., \$8 per 100, \$75 per 1,000.

Bernardino. (Incomparabilis.) Very large, creamy white perianth of great substance; large cup of pale lemon-yellow, flushed and edged pinkish apricot, and very heavily frilled. Height 20 inches. 50 cts. each, \$5 per doz.

Conspicuous. (Barrii.) C. Large, broad-spreading perianth of pale yellow, short darker yellow cup, brightly edged orange-scarlet. Splendid for midseason forcing, and good for any position in the garden. Height 21 inches. 10 cts. each, 90 cts. per doz., \$6 per 100, \$55 per 1,000.

Duchess of Westminster. (Leedsii.) C. Pure white perianth; cup pale canary-yellow, slightly darker at the edge, passing into ivory-white; large starlike flower of exquisite beauty. One of the best of the Leedsii for exhibition. Height 16 inches. 15 cts. each, \$1.25 per doz., \$8 per 100, \$75 per 1,000.

Frank Miles. (Incomparabilis.) C. Perianth pale yellow, elegantly twisted; cup bright yellow; large flowers. Effective planted in clumps in the border; also grown extensively for cutting; very good for pot culture. Height 21 inches. 10 cts. each, \$1 per doz., \$7 per 100, \$65 per 1,000.

Great Warley. (Incomparabilis.) Broad, massive perianth of creamy white, fully 5 inches across when well grown; rich golden yellow crown, 1 1/2 inches wide. A very striking and beautiful flower. Height 18 inches. \$1 each, \$10 per doz.

Lady Godiva. (Barrii.) C. Large, spreading perianth of pure white, cup large, pale yellow, edged orange-scarlet. A splendid variety in every way; excellent if planted out in combination with the variety Conspicuous. Height 18 inches. 15 cts. each, \$1.25 per doz., \$9 per 100, \$85 per 1,000.

Lady Moore. (Barrii.) C. A stately flower with a creamy white perianth, and a large, dark yellow cup, edged orange-scarlet. A variety that is very striking in appearance and sure to be appreciated by discriminating Daffodil lovers. 50 cts. each, \$5 per doz., \$35 per 100.

Lord Kitchener. (Leedsii.) Large, snowy white perianth, broad and flat, of great substance; big crown of the palest primrose, widely open at mouth and elegantly crimped and fluted at the brim. A flower of perfect quality, one of the most desirable in its class. Height 21 inches. 35 cts. each, \$3.50 per doz., \$25 per 100.

Lucifer. (Incomparabilis.) C. Perianth sulphur-white, with long, well-rounded petals; cup chrome-yellow, with intense orange-scarlet suffusions. A bold, showy flower for outdoors, holding its color well, and splendid for exhibition. Height 18 inches. 15 cts. each, \$1.25 per doz., \$8 per 100, \$75 per 1,000.

Masterpiece. (Barrii.) Perianth sulphur-white with broad, very round petals of great substance and Poeticus character, eye orange-scarlet, quite flat and beautifully crinkled, the color covering the entire surface of the inch-wide eye. Height 22 inches. 40 cts. each, \$4 per doz., \$30 per 100.

Mrs. Langtry. (Leedsii.) D. A remarkably free-flowering variety, each bulb usually producing several flowers; broad white perianth, white cup opening pale primrose. On account of its low price it is largely used for naturalizing. It is good, also, for potting. Height 16 inches. 10 cts. each, 90 cts. per doz., \$6 per 100, \$55 per 1,000.

Queen of the North. (Leedsii.) C. Broad, large perianth of clear, glistening white and remarkable texture; cup soft primrose-yellow, with narrow rim of sulphur-white. A splendid Leedsii variety for either indoor or outdoor culture. Height 18 inches. 15 cts. each, \$1.50 per doz., \$9 per 100, \$85 per 1,000.

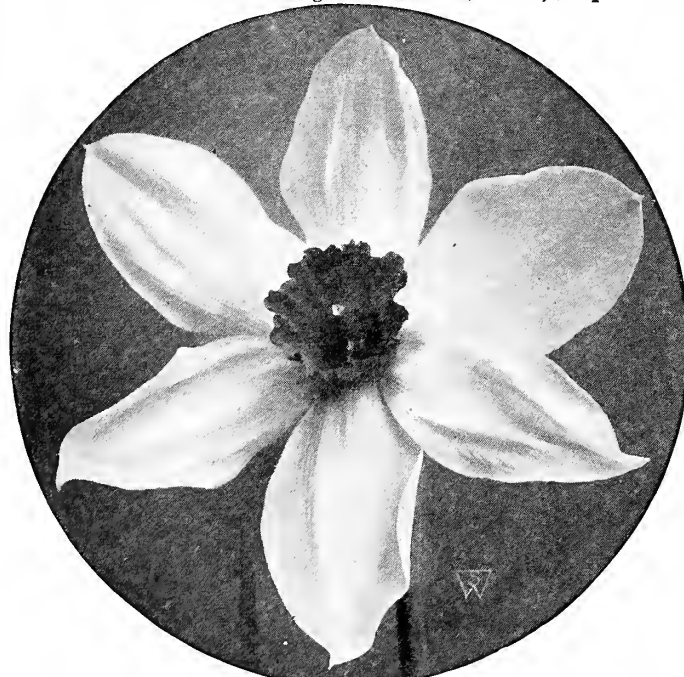
Red Beacon. (Barrii.) Broad white perianth of splendid substance, with broad well-frilled cup of dazzling orange-scarlet. A very striking variety on account of its brilliant coloring. 35 cts. each, \$3.50 per doz., \$25 per 100.

Sir Watkin. (Incomparabilis.) C. Perianth primrose-yellow; large and well-formed yellow cup, tinted deep yellow. A giant among the Medium Trumpet sorts. A grand flower of wonderful substance for garden culture or pots, this variety frequently has flowers 5 inches across, and its splendid proportion and ease of culture cause it to be one of the most popular of the older varieties. Height 18 in.

	Doz.	100	1,000
Mother bulbs	\$1 50	\$9 00	\$85 00
First-size, round bulbs	1 00	7 00	65 00

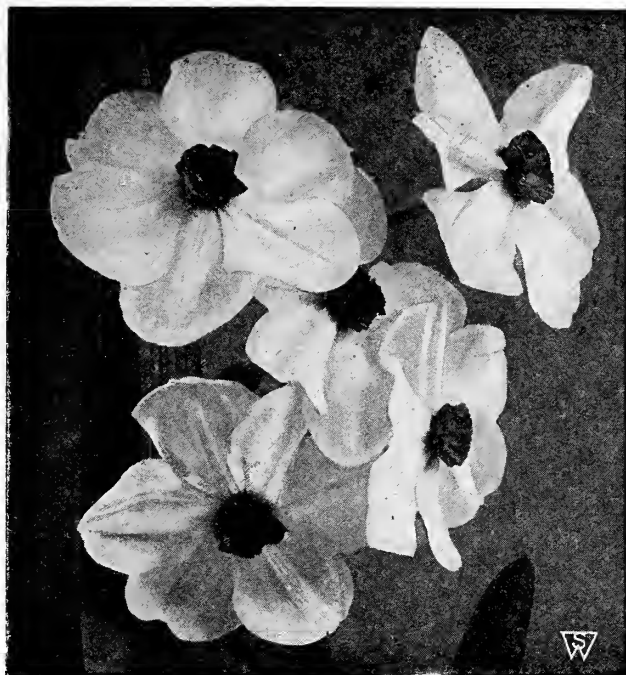
White Lady. (Leedsii.) C. Broad, white perianth of perfect form; small cup of pale canary, beautifully crinkled. A new sort that is conceded to be one of the best. Fine for outdoor planting, making a splendid cut-flower; good for pot culture also. Height 20 inches. 15 cts. each, \$1.25 per doz., \$8 per 100, \$75 per 1,000.

Will Scarlett. (Incomparabilis.) Creamy white perianth; cup widely expanded and of a brilliant orange-scarlet, elegantly frilled. 30 cts. each, \$3 per doz., \$20 per 100.



Medium Trumpet Narcissus, Lucifer

Medium Trumpets in Mixture. For naturalizing. Our mixture of the Medium Trumpets for natural plantations contains a great many varieties which we do not list under separate headings and are excellent for this purpose. \$5.50 per 100, \$50 per 1,000.



Narcissus Poetaz, Aspasia

Narcissus Poetaz

THE HARDY CLUSTER-FLOWERED POET'S NARCISSUS

The chief characteristics of this type of Narcissus is that hybridizers by crossing the strong-scented Polyanthus varieties with the Poeticus type, developed a hardy strain of Daffodils which has the bunch-flowered character of the Polyanthus with larger flowers similar to the Poet's described on this page. They are excellent for pot culture or are splendid for the garden border.

ASPASIA. C. Perianth pure white, with soft yellow eye; three or four flowers on a stem. One of the best of this class and especially bright in color. Height 18 inches. 15 cts. each, \$1.25 per doz., \$8 per 100, \$75 per 1,000.

IDEAL. C. Perianth pure white, with a dark orange eye; three or four flowers on a stem. A very easy variety to get in flower in pots and very charming on account of the size of the flowers and striking contrast of the dark orange eye. Height 18 inches. 15 cts. each, \$1.25 per doz., \$8 per 100, \$75 per 1,000.

KLONDYKE. Perianth an even tone of pure bright yellow, with golden yellow eye. A variety of wonderful vigor and size giving five to six flowers on a stem. Height 15 inches. 15 cts. each, \$1.50 per doz., \$10 per 100, \$95 per 1,000.

LAURENS KOSTER. Perianth pure white, with soft yellow eye. A variety that is much admired on account of the large size of the flowers. It is a strong grower, frequently having five flowers on a stem. Height 18 inches. 15 cts. each, \$1.25 per doz., \$8 per 100, \$75 per 1,000.



Narcissus Poeticus, King Edward VII

The Poet's Narcissi

Narcissus poeticus

This class of Narcissus, instead of having a trumpet or crown, has a small, wide-mouthed cup. They are very hardy, and are used in large numbers for naturalizing, their simplicity of form and delightful fragrance making them highly prized. Cassandra, Epic, King Edward VII, and Ornatus are used with excellent success for growing indoors in pots or pans, or gently forced into bloom for cutting purposes.

POETICUS (Pheasant's Eye). D. The original late-flowering Pheasant's Eye variety so popular for gardens and naturalizing; pure white flowers with orange cup, edged with red. Height 15 inches. 10 cts. each, 75 cts. per doz., \$4.50 per 100, \$40 per 1,000.

POETICUS ORNATUS (Improved Poeticus). C. Grand flower for cutting. Larger and more symmetrical than the old variety and considerably earlier. Pure white flowers, saffron cup, tinged rosy scarlet. Magnificent cut-flower. Height 15 inches. 10 cts. each, 85 cts. per doz., \$6 per 100, \$55 per 1,000.

POETICUS, KING EDWARD VII. C. Round, white perianth, cup light yellow, margined deep red. A vigorous grower, excellent for pot culture. Height 15 inches. 15 cts. each, \$1 per doz., \$8 per 100, \$75 per 1,000.

POETICUS, EPIC. C. Quite the best and largest of the new Poet's varieties. The white perianth is of large size, cup canary-yellow, rimmed bright red. Height 17 inches. 20 cts. each, \$1.75 per doz., \$12 per 100, \$110 per 1,000.

Sweet-Scented Jonquils

Very much prized for their deliciously scented golden flowers; perfectly hardy in gardens or naturalized, also admirably adapted to indoor culture in pots of soil.

We frequently receive orders for Jonquils when the Giant Trumpet Daffodils are desired. We ask our patrons to select varietal name in order to avoid the confusion caused thereby. The Jonquils listed below belong to a distinct type of the Narcissus family. The foliage is rush-leaved, and the flowers are borne in clusters of four or five on each stem, and should not be confused with the Giant and Medium Trumpet Daffodils in our list. We have decided to discard the common Single and Double Jonquils in favor of the following sorts.

Giant Campernelle rugulosus. Much larger and finer than the old favorite Campernelle Jonquils; a much freer bloomer and much more desirable, especially for forcing. Beautiful, single, yellow, star-shaped flowers, exquisitely imbricated, borne in clusters of four to six on a stem; delightfully fragrant. Also very hardy and valuable for outdoor planting. 90 cts. per doz., \$6 per 100, \$55 per 1,000.

Rugulosus, Double. The double form of the large-flowering Campernelle Jonquil. Large, double, yellow flowers; very fragrant and much superior to the common Double Jonquil. Height 20 inches. 90 cts. per doz., \$6 per 100, \$55 per 1,000.

CHINESE SACRED LILY

The "Shui Sin Far," or Water Fairy Flower, Joss Flower or Flower of the Gods, etc., as it is called by the celestials, is a variety of *Narcissus*, bearing in profusion chaste flowers of silvery white, with golden yellow cups. They are of exquisite beauty and entrancing perfume.

The bulbs, of large size and great vitality, are of luxuriant growth, producing several spikes of flowers; the incredibly short time required to bring bulbs into bloom (four to six weeks after planting) is one of the wonders of nature. You can almost see them grow, succeeding almost everywhere and with everybody. They do well in pots of earth, but are more novel and beautiful grown in shallow bowls of water, with enough fancy pebbles to prevent them from toppling over when in bloom. A dozen bulbs, started at intervals will give a succession of flowers throughout the winter. We have found that first-size bulbs, as generally sent out by other houses, do not flower satisfactorily, and we therefore offer only Mammoth and Jumbo sizes.

	Each	Doz.	100
Mammoth bulbs	\$0 25	\$2 50	\$20 00
Jumbo bulbs	35	3 50	27 50



Chinese Sacred Lily

GLASS BOWLS, for one bulb of Chinese Lily, 35 cts. each, \$3.50 per doz.; for 6 bulbs, 50 cts. each, \$5 per doz.

PEBBLES. Carefully screened and selected. Per quart box, 20 cts., 2 boxes for 35 cts.

JAPANESE LILIES (Cold Storage)

Many of our patrons who have greenhouse facilities are desirous of planting bulbs of some of the varieties of Japanese Lilliums during the summer months for flowering during the late autumn and Christmas time and to these we offer the following varieties: *L. speciosum album*, or the pink form, *Magnificum* (flowers in 5 months).

L. speciosum album. White. 9- to 11-inch bulbs (50 per case).....\$25 00

L. speciosum magnificum. Pink. 9- to 11-inch bulbs (50 per case).... 25 00

CROCUS

Crocuses, among the earliest bulbs to flower, are most effective when planted in masses on the lawn, or arranged in three or four rows of one color in the border. They are perfectly hardy, and may be left in the ground for three or four years after planting, without being disturbed. The best method is to scatter the bulbs about the lawn and use an ordinary garden dibble or "Slim Jim" trowel, inserting several bulbs in each spot. This makes a very pretty effect in early spring, and the foliage and tops may be safely cut along with the grass when the first mowing is made. They are very ornamental when flowered in pots of eight to ten bulbs to a 5-inch size. They will not flower if exposed to heat, nor must too severe forcing be attempted. After potting set bulbs in a cool cellar and water well. Leave them about six weeks until they are thoroughly rooted and then bring to the light of the conservatory or sunny window. Care should be taken to cover the bulbs about 1 inch, whether planted outdoors or in pots, as planting too deep causes them not to flower.



Giant-flowering Crocus, Kathleen Parlow

Any of the following, 45c. per doz., \$3 per 100, \$28 per 1,000

Purpurea Grandiflora. Best dark blue.

Julia Culp. Large-flowering purple.

Kathleen Parlow. Purest white; fine large flowers.

La Majestueuse. White, striped purple.

Mont Blanc. An old favorite; large; pure white.

Yellow Mammoth. The largest flowering sort of this color.

S. & W. Co.'s Special Mixture. A special mixture of all colors and shades. 30 cts. per doz., \$2 per 100, \$18 per 1,000.

SPIREA

November delivery

This beautiful pot plant, usually grown by the florist for Easter, we are able to offer in three named varieties, in clumps suitable for growing in 6-in. pots.

Gladstone. Large spikes of pure white flowers, borne on strong stems 18 inches high.

Queen Alexandra. A popular variety on the order of Gladstone, but of a pale pink color.

Peach Blossom. A very lovely shade of peach-blossom pink. A very free-flowering variety.

Strong Clumps of any of the above 3 varieties, \$1 each, \$10 per doz., \$75 per 100

GIANT FREESIAS

Without doubt the most sweetly scented flower grown; a single bloom permeates the living-room with its delicate perfume. Although they are quite popular and very easily raised, we would suggest the following treatment:

Procure the bulbs as early as possible, and plant them in successive batches from August to October, using from six to twenty-five bulbs for a single pan. The soil should be a mixture of loam, to which must be added leaf-mold and sand. The bulbs planted early, say August and September, may be placed outdoors in a sheltered spot until cold weather sets in; of course they must be regularly watered and kept growing all the time. In October, before frosts appear, the pots should be placed in frames, if possible, or near the window of an unheated room. Not before November must the young plants be brought to gentle heat, and if thus cared for they will flower perfectly in January. The foliage of the Freesias is very fine and slender and must be supported with light stakes placed around the outer edge of the pans. The glistening, pure white flowers are borne on long stems, and are very valuable for cutting.

S. & W. CO.'S IMPROVED PURITY

Through painstaking effort our grower of Freesia Purity has maintained such a quality in our strain of this very desirable cut-flower by careful selection as to justify us in offering it as an improved strain.

	Doz.	100	1,000
Monster bulbs.....	\$0 75	\$5 00	\$45 00
Jumbo bulbs.....	60	4 50	40 00
Mammoth bulbs.....	50	3 50	30 00

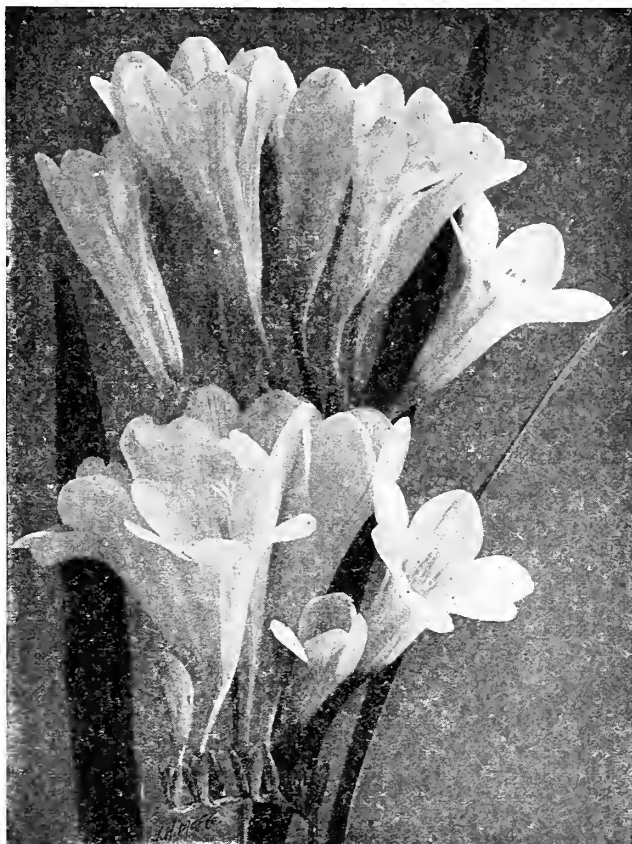
NEW FREESIAS

Aurora. A beautiful large-flowering yellow, suffused with orange. A very lovely variety. **\$1.50 per doz., \$10 per 100, \$90 per 1,000.**

California. A large flower of bright golden yellow; extra-fine strong grower and long stems. One of the very finest yellow Freesias. **\$1.50 per doz., \$10 per 100, \$90 per 1,000.**

Carrie Budau. A beautiful lavender-pink, much on the order of General Pershing, but of a more beautiful bright pink shade. The flowers are larger and the stems stronger. **\$1.50 per doz., \$10 per 100, \$90 per 1,000.**

Fischer's Splendens. This comparatively new Freesia, introduced by the originator of Purity, stands in a distinct class. The flowers are equal in size to Purity and the plant just as vigorous. The stems are long and stiff, bearing as many flowers as Purity, of a beautiful deep lavender color which seems to be well retained throughout the life of the flower. **\$1 per doz., \$8 per 100, \$75 per 1,000.**



Freesia, S. & W. Co.'s Improved Purity

June Michelsen. Large flowering deep rose-pink with light blush throat; three lower petals are veined purplish crimson with a deep yellow blotch on center petal. Good stiff stem and strong constitution. **\$1.50 per doz., \$10 per 100, \$90 per 1,000.**



S. & W. Co.'s Lily-of-the-Valley

LILY-OF-THE-VALLEY

We import especially from abroad each year large quantities of Lily-of-the-Valley in pip form as well as in clumps. If you are planning on making a bed of Lily-of-the-Valley in some shady place in your garden, you will find the planting of clumps quite the easiest method. We carry pips principally for those of our patrons who wish to grow them in pots or flats indoors.

SUPERIOR LILY-OF-THE-VALLEY PIPS

In judging the price of our Lily-of-the-Valley, please remember that the best is the cheapest. Our Valley is positively among the best. Is bought at open prices, with instructions for a selection of the best-developed pips. Our long experience and large importations have commanded this extra selection. Introduced a few years ago, it has now become famous, being forced very extensively by a large number of celebrated Lily-of-the-Valley growers. Our Lily-of-the-Valley produces strong spikes of flowers, about 15 inches in height, bearing from twelve to twenty extra-large, pure white bells, which are delightfully fragrant. For forcing, these pips are the very best that can be planted. **New crop, November delivery, 25 pips \$1.50, 100 pips \$5, 1,000 pips \$45.**

COLD STORAGE LILY-OF-THE-VALLEY

250 pips \$16, 500 pips \$30, 1,000 pips \$55.

LILY-OF-THE-VALLEY CLUMPS

For Outdoor Planting

Our Lily-of-the-Valley Clumps are extra-selected, well grown and, if planted outdoors by the middle of April, will flower splendidly during May. If grown under the proper conditions, these clumps will increase rapidly, and every spring produce a profusion of dainty flowers. **Extra-strong clumps, 50 cts. each, \$5 per doz., \$35 per 100.**

HARDY LILIES

We especially recommend deep planting, say, from 6 to 8 inches; varieties like Speciosums require at least 8 inches, with an ample amount of sand beneath the bulb to insure proper drainage. Cover the beds with leaves or litter during winter. Lilies thrive well in borders, formal gardens or shrubbery, and usually flower at a time when the shrubbery has ceased blooming, adding increased interest. The following varieties have proved to be sorts that may be planted in the fall or spring with excellent results. We frequently receive orders for *Lilium candidum* for spring delivery. This Lily arrives from France in September, and must be planted by November 1.

Most Lily Bulbs, being of late maturity, do not arrive in our country until October and November, which is conceded to be the best time to plant. Where the ground is liable to freeze before late Lilies arrive, it should be mulched with leaves or manure.

LILIUM CANDIDUM (Madonna Lily)

Choice Northern-Grown. Arrive in August or September

The favorite Lily of the old-fashioned garden, produces strong, stiff stems, studded with a mass of pure, glistening white flowers, that enliven the perennial flower-garden or, for contrast with the beautiful green shrubs of the June garden, are unequalled, frequently growing 4½ feet high.

Plant some bulbs during September and October and enjoy a big crop of flowers next June; or pot up, store in coldframe, and force for early winter in the greenhouse or conservatory. Our bulbs of this splendid Lily are grown in northern France, and are of the true thick-petaled variety, which is much superior in habit and flowering qualities to that of the cheap, loose, southern-grown bulbs.

	Each	Doz.	100
First Size	\$0 30	\$3 00	\$20 00
Mammoth Bulbs	40	4 00	30 00
Jumbo Bulbs	50	5 00	40 00



Lilium candidum

LILIUM AURATUM

The Golden-rayed Lily of Japan

November and December Delivery

One of the finest and most popular of the hardy garden Lilies. It thrives best in locations where the lower portion of the plant will be partially sheltered from the hot sun, as among peonies or herbaceous plants in the hardy border, where groups of six to twelve of these Lilies produce a stately and magnificent effect. The flowers are pure white, thickly studded with crimson spots, while through the center of each petal runs a clear golden band. Fully expanded, the flowers measure nearly a foot across, are produced abundantly from June to October, and possess a most delicious fragrance. 3 to 5 feet.

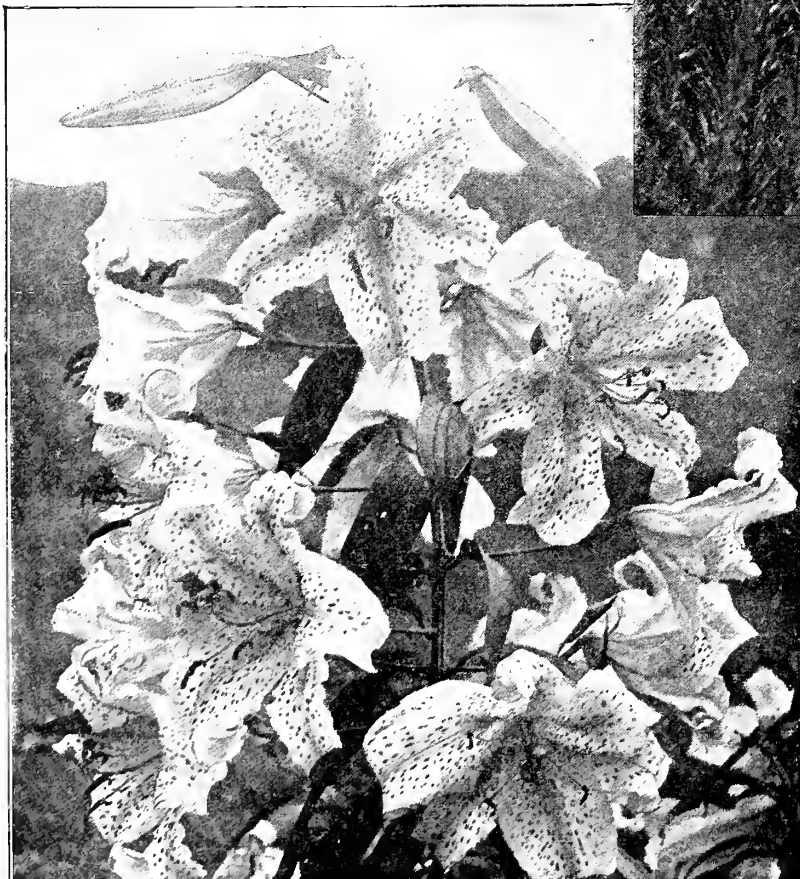
	Each	Doz.	100
9 to 11 in. in circum.....	\$0 45	\$4 50	\$35 00
11 to 13 in. in circum.....	65	6 50	50 00

LILIUM REGALE

(A Regal Beauty)

October Delivery

The flowers are white, slightly suffused with pink, with a beautiful shade of canary-yellow at the center, blending out part way up the trumpet. The fragrance is fascinating, similar to the jasmine. A splendid hardy Lily for the garden, flowering about July 1. Well-grown bulbs often produce five to eight blooms. 75 cts. each, \$7.50 per doz., \$60 per 100.



Lilium auratum (Golden-rayed Lily of Japan)



Lilium speciosum magnificum

Lilium speciosum magnificum

Oriental Orchids. November and December Delivery

Words cannot describe the beauty of this variety. Frosted white, spotted, clouded and bordered with deep pinkish crimson. A much superior variety to the Roseum, Rubrum or Melpomene of the Speciosum type. For the border, among hardy plants or naturalized among rhododendrons, this is an equal favorite with the *Lilium auratum* offered on the previous page. Splendid for pot culture as well. Blooms outside during August.

	Each	Doz.	100
9 to 11 in. in circum.....	\$0 45	\$4 50	\$35 00
11 to 13 in. in circum.....	65	6 50	50 00

Lilium speciosum album

November and December Delivery

The white Speciosum, which is usually grown with Magnificum and *Lilium auratum*, is a very dainty Lily.

	Each	Doz.	100
8 to 9 in. in circum.....	\$0 45	\$4 50	\$35 00
9 to 11 in. in circum.....	65	6 50	50 00

OTHER HARDY LILIES

October Delivery

HANSONII. Attains the height of 3 to 5 feet. Reflexed blossoms 2 inches across; petals bright orange-yellow, faintly spotted brown, eight to twelve in a cluster. Flowers in June or early July. **75 cts. each, \$7.50 per doz., \$60 per 100.**

HENRYI. Similar to Speciosum. Beautiful orange-yellow flowers with a green band. Hardy and easy to grow, blooming in August and September. **75 cts. each, \$7.50 per doz., \$60 per 100.**

PARDALINUM. A California variety bearing twelve to thirty flowers on stems 4 to 6 feet high, bright orange, spotted dark crimson. Flowers in July. **40 cts. each, \$4 per doz., \$30 per 100.**

SUPERBUM. A native type growing 3 to 6 feet high, frequently bearing twenty to thirty flowers of a brilliant orange-red. Blooms in July. **30 cts. each, \$3 per doz., \$20 per 100.**

TENUIFOLIUM. A very bright-colored Lily with finely cut foliage, slender stems, and beautifully shaded coral-red flowers. Blooms during June. **40 cts. each, \$4 per doz., \$30 per 100.**

TIGRINUM, Single. (Single Tiger Lily.) Orange-red, spotted black. **30 cts. each, \$3 per doz., \$20 per 100.**

TIGRINUM, Double. (Double Tiger Lily.) **30 cts. each, \$3 per doz., \$20 per 100.**

LILY BULBS FOR INDOOR GROWING

CALLA LILIES

These like a stiff, clayey soil with a small quantity of shredded cow-manure. Bulbs should be set with the crown, or top, protruding just above the surface. When in growing condition, warm water given several times during the week will hasten the flowering period and increase the number of blooms. When using the large-sized bulbs, plant but one in a pot; smaller ones, two. We call especial attention to the Yellow Calla, which is one of the grandest varieties in cultivation, and most valuable for house or conservatory decoration. See the description below. Plant Callas indoors only in the fall of the year.

WHITE CALLA LILY—	Each	Doz.	100
Jumbo size	\$0 50	\$5 00	\$40 00
Mammoth size	40	4 00	30 00
First size	25	2 50	20 00

YELLOW CALLA LILY. A grand novelty—one that should be planted extensively. The deep golden yellow flowers are truly magnificent and produced in abundance. The green foliage is spotted creamy white, which adds to its beauty.

	Each	Doz.	100
First-size bulbs	\$0 40	\$4 00	\$30 00
Mammoth bulbs	50	5 00	40 00

EASTER LILIES

We offer three types of the Longiflorum Lily usually grown by the florist. Of the three types we recommend *Lilium formosum* as the best for private conservatory growing.

LILIAM HARRISII—

These bulbs usually arrive from Bermuda in July.

	Each	Doz.	100
7 to 9 inches in circumference.....	\$0 60	\$6 00	\$45 00
9 to 11 inches in circumference.....	90	9 00	70 00

L. LONGIFLORUM FORMOSUM—

We have contracted for and expect some of each of the following sizes about Sept. 1.

7 to 9 inches in circumference.....	50	5 00	40 00
9 to 10 inches in circumference.....	75	7 50	60 00
10 to 12 inches in circumference.....	90	9 00	70 00
11 to 13 inches in circumference.....	1 00	11 00	80 00

L. LONGIFLORUM GIGANTEUM—

We have contracted for and expect some of each of the following sizes to arrive October or early November.

7 to 9 inches in circumference.....	40	4 00	30 00
9 to 10 inches in circumference.....	55	5 50	45 00
10 to 12 inches in circumference.....	75	7 50	60 00



Chionodoxa Luciliae



Fritillaria Meleagris



Grape Hyacinths



Spanish Iris

AMARYLLIS

Giant-flowering Vittata Hybrids.

Conceded to be the most noble and magnificent section of the Amaryllidaceae. It would require a great amount of space to offer them with descriptions of the several representative types, so we confine ourselves to listing in two general classes: Red ground, variegated with white; white ground, variegated with red. The red varies in tones from a brilliant fiery color to crimson; the variegation is sometimes a broad blaze of white in the center of each petal; again, the ground-color is white, abundantly streaked with red or crimson. The flower-spikes are from 1 to 3 feet high, the foliage long and graceful. Flowers, borne in clusters, are often 8 inches across. Extra-strong bulbs, \$1 each, \$10 per doz., \$75 per 100.

ANEMONES (Windflower)

These popular flowers of French origin are exceedingly useful, as a decorative plant for house or garden, and fine for cutting. If planted outdoors in the fall they must be well protected with leaves or other litter; they may also be planted in the spring in well-drained soil, and will flower during the summer, starting in May. When planted in pots, place twelve or more in a cluster and store away, if possible, in a coldframe until February 1; if carefully watered, when brought into the house they will flower abundantly.

Excelsior Mixture. We consider this the finest strain of single-flowering Anemones as yet raised. The plants are taller in growth than the St. Brigid and more single. They contain many fine shades of blue, white, and scarlet. \$1 per doz., \$7.50 per 100.

CHIONODOXA (Glory-of-the-Snow)

An early-flowering spring bulb for borders or rockery. Produces flower-spikes bearing ten to fifteen scilla-like flowers. Perfectly hardy and should be planted close together for effect.

Luciliae. Deep blue, with a white center. Selected mother bulbs, 60 cts. per doz., \$4 per 100, \$35 per 1,000.

Luciliae alba. Beautiful white form of the above. 75 cts. per doz., \$6 per 100, \$55 per 1,000.

Sardensis. The gentian-blue; very striking. Selected mother bulbs, 60 cts. per doz., \$4 per 100, \$35 per 1,000.

ERANTHIS HYEMALIS (Winter Aconite)

Early in spring the golden blossoms look charming, resting on an emerald-green cushion of leaves, and forming a striking contrast to the snowdrops, scillas, and chionodoxas. The foliage remains long after the flowers, making the plant especially valuable in moist situations, such as under trees, which the Winter Aconite enjoys, and where few other flowering plants will thrive. 3 to 8 inches high. 50 cts. per doz., \$3.50 per 100, \$30 per 1,000.

FRITILLARIA IMPERIALIS

(Crown Imperials)

Well-known hardy border plants, bearing clusters of immense, pendent, bell-shaped flowers, surmounted with a tuft of green leaves. They are excellent for hardy borders and may be left undisturbed for years.

Aurora. Orange..... \$0 25 \$2 50 \$20 00

Crown on Crown. Several whorls of red flowers, one above the other..... 25 2 50 20 00

This is the last year to import from Holland the following Bulbs: Chionodoxa,

FRITILLARIA MELEAGRIS

Singular, dwarf, spring-flowering plants, bearing large, pendent bell-shaped flowers of various colors, in yellow, white, black, purple, striped and splashed, and checkered in the most curious way. They are invaluable for pot culture, and exceedingly pretty when grown in large groups in the garden border or wild garden in a dry situation.

	Doz.	100	1,000
Alba. White.....	\$1 00	\$8 00	\$75 00
Calypso. Purple.....	1 00	8 00	75 00
Mixed. Select mixtures.....	80	6 00	55 00

GRAPE HYACINTHS

Very beautiful little flowers for planting in masses, either in shade or where exposed to the sun. When planted out in herbaceous borders, where they can be left undisturbed, they do exceedingly well, each year adding to their already profuse-blooming qualities. Bloom outdoors during May. They are also excellent for pot culture.

Heavenly Blue. This variety is the largest and best of the Grape Hyacinths. The bells are large and form a fine truss. Splendid effects are produced by massing in the garden or border. 50 cts. per doz., \$3.50 per 100, \$30 per 1,000.

Album. A very beautiful white form of the above and excellent to use for contrasting with Heavenly Blue. 50 cts. per doz., \$3.50 per 100, \$30 per 1,000.

BULBOUS IRISES (Spanish and Dutch)

We are listing below what we believe to be the best distinct colors in Spanish and Dutch Irises, as well as several hybrid forms, as Filifolia and Tingitana. They are excellent for growing under glass and may be grown in the garden also. When planted outdoors they should be covered with a heavy mulch and the bulbs planted in a well-drained border, about 5 inches deep. They bloom outdoors in the vicinity of New York late in May.

Anton Mauve. This splendid Dutch Iris has become very popular. It is a uniform soft blue, and the flower very large and substantial..... \$1 00 \$7 00 \$65 00

Cajanus. Considered as being the finest uniform bright yellow Spanish Iris..... 85 6 00 55 00

Hart Nibbriz. A bright clear blue, said to be the finest of its color..... 1 00 7 00 65 00

Imperator. A very popular variety for indoor growing. It is rich deep dark blue and a strong grower, making a magnificent specimen when well grown..... 1 75 12 00 100 00

King of the Whites. The best pure white Spanish Iris..... 85 6 00 55 00

Ophir d'Or. We consider this on the order of Cajanus in our list, but of a deeper tone of pure yellow..... 85 6 00 55 00

Tingitana. Similar in type and size of bloom to Imperator, but the color of the flower is a shade lighter blue. A fine, strong-growing variety. Like Imperator it is excellent for pot culture; if well rooted and allowed to come gently will flower indoors in March.... 1 75 12 00 100 00

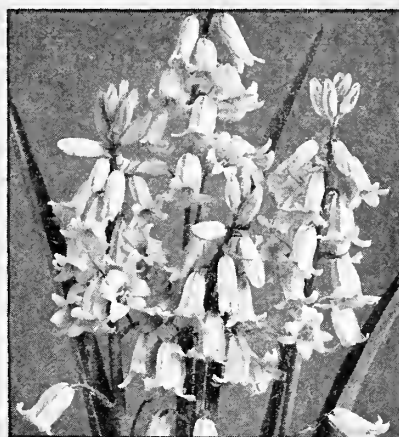
Erantnis, Fritillaria, Galanthus (Snowdrops), Grape Hyacinths, Ixias and Scillas



Snowdrops



Ranunculus



Scilla nutans

GLADIOLUS COLVILLEI

Delivery in
October and November

Blushing Bride. A very delicate pink with bright carmine blotch in the throat. 80 cts. per doz., \$7 per 100, \$60 per 1,000

Peach Blossom. A very lovely shade of soft pink on the order of the Killarney rose. 80 cts. per doz., \$7 per 100, \$60 per 1,000.

IXIAS

The Ixia is a beautiful little winter-flowering bulb, with long, slender, graceful spikes of bloom. The colors are rich, varied and beautiful, the center always differing in color from the other parts of the flower, so that the blossoms, expanding in the sun's rays, present a picture of gorgeous beauty. Very desirable for pots.

Althæa. Large; white, with purplish carmine eye. Doz. 100
\$0 85 \$6 00

Aurantiaca major. Golden yellow, with large dark eye. 85 6 00

Craterioides major. Bright scarlet; very early; forces well. I 30 10 00

Hubert. Deep maroon; very beautiful. 70 5 00

Mozart. Pink; lovely color 85 6 00

Finest Mixed. 50 3 50

OXALIS

An unrivaled winter-flowering pot-plant of the easiest culture, succeeding with everybody

This is one of the finest flowering plants for pot culture that we have ever seen; it is such a strong, luxuriant grower that five or six bulbs will be sufficient for a 6 or 8-inch pot. Place in a dark, cool position for several days to root thoroughly, and remove to a sunny situation in the window or conservatory in a temperature of about 60 degrees Fahr., and the great profusion of bloom produced in uninterrupted abundance for weeks will astonish and delight you.

Large-flowering. We have a very fine strain of these Oxalis.

Flowers are large, and they may be had in blossom, by successional plantings, from October until May. We have four colors—Yellow, Pink, White, and Lavender. 50 cts. per doz., \$3.50 per 100.

Bermuda Buttercup. Bright sunny yellow. 50 cts. per doz., \$3.50 per 100.

RANUNCULUS

The bulbs of Ranunculus resemble tiny clumps of dahlia roots. They look as much like spiders as anything. The flowers are extremely double, almost globular, regular in outline, often exceed 2 inches in diameter, and are to be had in all the colors except blue. The colors are bright, clear, and pure.

CULTURAL DIRECTIONS

Here are cultural directions by a man who has scored a success with them: "The roots usually arrive in October and are better if placed in the soil as soon as time will permit, although it will not harm them seriously if they are packed away in dry sand in a cool shed or cellar for some weeks. Pots, pans, flats, or benches may be used for growing Ranunculuses, but flats and benches give me the most satisfactory results. I have had good success by using flats 5 inches deep, planting the roots in late October, then placing in coldframes and covering with dry leaves on the approach of severe weather, protecting sufficiently to exclude frost, and housing the flats from the early part of February onward.

"The compost used is light but tolerably rich, consisting of three parts loam, one part leaf-mold, one part old, well-decayed manure passed through a ½-inch screen, and a generous dash of sharp sand. The flats should be well drained.

"For those growing a limited number, flats are to be recommended, but where bench space will permit, the roots can be planted out 4 to 5 inches apart each way.

This is the last year to import from Holland the following Bulbs: Chionodoxa, Eranthis, Fritillaria, Galanthus (Snowdrops), Grape Hyacinths, Ixias and Scillas

RANUNCULUS, continued

"A violet temperature, 40 to 45 degrees at night, is just what Ranunculuses need, and, as they do not make a heavy growth which shades the violets appreciably and do not impoverish the soil, this method of culture can with confidence be recommended.

French Mixed. We offer a mixture of all colors of the French Ranunculus at 75 cts. per doz., \$5 per 100, \$45 per 1,000.

Turban. We offer five distinct colors of this splendid type.

Hercules. Pure white.

Rosalia. Rose.

Primrose. Pale primrose.

Source d'Or. Yellow, brownish

Romano. Fine scarlet.

flaked.

\$1 per doz., \$7 per 100, \$65 per 1,000

SNOWDROPS

These elegant little flowers, the first to open in spring, should be found in every garden, not only because they are the earliest spring flowers, but because they are the loveliest. The Snowdrop thrives in almost any situation or soil, and should be planted as early in the autumn as possible, as they suffer much if left long out of the ground.

Single Snowdrops. Selected bulbs. Doz. 100 1,000
\$0 60 \$4 00 \$35 00

Double. Selected bulbs. 70 5 00 45 00

SCILLAS (Wood Hyacinth, Siberian Squill, or English Bluebell)

Campanulata (Wood Hyacinth)

Bears spikes, 15 inches high, of bell-like flowers, during early May. Plant 5 or 6 inches deep in shady situations. Very effective for borders; will grow under fir or pine trees.

Alba maxima. Clear white, with very fine, large bells. 75 cts. per doz., \$5 per 100, \$45 per 1,000.

Blue Queen. Erect spikes of porcelain-blue flowers; strong grower. 75 cts. per doz., \$5 per 100, \$45 per 1,000.

Excelsior. Bright deep blue, with large bells. 75 cts. per doz., \$5 per 100, \$45 per 1,000.

Rose Queen. Bells of soft lilac-rose; very pretty. 75 cts. per doz., \$5 per 100, \$45 per 1,000.

Scilla sibirica (Siberian Squill)

Spikes 3 to 4 inches high, of small, drooping, bell-like flowers. Fine for massing in borders or naturalizing. Plant 3 to 4 inches deep. Blooms in April.

Blue. Splendid for massing. Jumbo bulbs, 75 cts. per doz., \$5 per 100, \$45 per 1,000.

White. A variety sometimes used for interspersing with the blue sorts. 75 cts. per doz., \$5 per 100, \$45 per 1,000.

Scilla nutans (English Bluebell)

The flowers of this lovely Scilla are similar in type to *S. campanulata* listed above, but the spikes are not as tall and are more arching in character. Visitors to the English countryside during Daffodil time will doubtless remember this pretty flower which is a native of their woodlands and blooms the same time as the Daffodils. 40 cts. per doz., \$3 per 100, \$25 per 1,000, \$200 per 10,000.



Planting of Japanese Iris

GERMAN IRIS (*Iris germanica*)

We list twelve of the best modern varieties, also the Siberian. This variety does not belong to the Germanica family. It is the most delicate and elegant of all the small-flowered Irises. The foliage is narrow, grassy-like, with tall stems; the flowers resemble somewhat, in form, the bulbous Iris listed in our catalogue as Spanish. It is splendid as a cut-flower and a very free-blooming variety.

BEETHOVEN. The standards are blue; falls deep royal purple. 20 cts. each, \$2 per doz., \$15 per 100.

GLORY OF READING. (Pallida.) Like all Iris of the Pallida section, this is a tall grower. The standards are deep blue; falls deep royal purple; conspicuous orange beard; large, handsome flower; quite fragrant. 50 cts. each, \$5 per doz., \$35 per 100.

HER MAJESTY. Standards lovely rose-pink; falls bright crimson, tinged with darker shade. The blend of tints and coloring are rare for an Iris. 35 cts. each, \$3.50 per doz., \$25 per 100.

LOHENGRIN. Foliage and flowers of gigantic size, with petals 2 inches wide; standards and falls are of a uniform shade of violet-mauve. 30 cts. each, \$3 per doz., \$20 per 100.

LORELEY. Standards light yellow; falls ultra-marine-blue, bordered cream. 20 cts. each, \$2 per doz., \$15 per 100.

MONTEZUMA. Standards deep golden, minutely dotted brown; falls yellow and white, veined purple and dotted brown. 35 cts. each, \$3.50 per doz., \$25 per 100.

MRS. H. DARWIN. Pure white, falls slightly reticulated violet at the base; very beautiful and free-flowering. 35 cts. each, \$3.50 per doz., \$25 per 100.

NIBELUNGEN. Standards olive-green, falls yellow-purple and white. Very distinct and pretty. 25 cts. each, \$2.50 per doz., \$20 per 100.

PALLIDA DALMATICA. A queen among flowers; grand and stately. Standards lavender; falls clear, deep lavender. Flowers large and extra fine. 30 cts. each, \$3 per doz., \$20 per 100.

PAULINE. An unusually large flower; the standards and falls are a rich pale pansy-violet. A variety with a decided perfume. 20 cts. each, \$2 per doz., \$15 per 100.

QUEEN OF MAY. (Pallida.) Like all Irises of this section, a tall grower. The color of the flower is a lovely soft rose-lilac, almost pink. 35 cts. each, \$3.50 per doz., \$25 per 100.

SIBERIAN BLUE. A very beautiful variety and a most satisfactory species for all situations. Clear sky-blue color, with horizontal falls. 30 cts. each, \$3 per doz., \$20 per 100.

WYOMISSING. Standards creamy white, suffused delicate soft rose; falls deep rose at the base, shading to a flesh-colored border. A very beautiful variety. A new variety that has become popular on account of its lovely color. 50 cts. each, \$5 per doz., \$35 per 100.

JAPANESE IRIS (*Iris Kaempferi*)

The Japanese Irises usually flower after the German. They are much admired on account of their variety of color and large size. We offer eight of the finest distinct varieties that we know of. They have been selected by us from a large collection of best named sorts. Six-petal varieties are termed double; three-petal varieties, single.

Amethyst. Single. Immense, wide-spreading flowers of fine substance. Color, light lavender or amethyst.

Azure. Double. Immense flowers; exquisite, wavy; mauve-blue with darker halo surrounding yellow blotch at base of petals.

Datedogu. Single. Rich claret-red, with orange blotches surrounded with a blue halo radiating out into heavy lines; standards light claret and white; petaloid stigmas tipped and bordered pale claret; very large flower.

Kamata. New, single-flowering, sky-blue variety veined white.

Mount Hood. Double. Light blue, shaded darker, orange center.

Pink Progress. Beautiful single-flowering Iris of ash-gray-lavender, clear blue halo, overlaid with silver sheen.

Pyramid. Double violet-purple flowers, veined white in center of each petal.

Shadow. This is a single-flowering variety, practically a self-color, best described as a reddish purple.

Any of the above varieties, 50 cts. each, \$5 per doz., \$35 per 100



HERBACEOUS PEONIES

Peonies rank among the most beautiful of all hardy perennials, and no garden is complete without their charming influence. The popular interest in many parts of the world has brought a very gratifying improvement in the Peony. In the newer sorts gigantic flowers have been produced, reaching, in many instances, the large size of 7 to 9 inches in diameter and 5 to 6 inches in depth, with strong, stiff stems $2\frac{1}{2}$ to 3 feet long. The permanency of Peonies should especially recommend them to your favor; for, once planted in suitable soil, they will continue to grow better and larger each year. A situation well open to the sun suits them best but they thrive in partial shade also.

Culture.—The culture of Peonies is quite simple. They require a good, deep, rich soil and an abundant supply of water during the growing season. When enriching the ground, the use of too much fresh manure near the roots should be avoided. The main point to observe is, while the ground should be well spaded and cultivated, **not to plant the roots too deep.** The roots should be planted so that the eyes are barely covered (about 1 to 2 inches). Too deep planting is the cause of shy flowering.

Size of Roots.—The roots we offer have been grown two years from root divisions and are 3 to 5 eyes. If planted during October and November these roots should become well established and give some flowers the following year.

ALBATRE. Large; compact globular rose type. Milk-white, shaded ivory; wide center petals tinged lilac, edged with a minute line of carmine. **\$1 each, \$10 per doz.**

ALBERT CROUSSE. Large; compact bomb. Rose-white, flecked crimson. **\$1.25 each, \$12.50 per doz.**

ALEXANDRE DUMAS. Medium size. Light violet-rose; creamy white collar of narrow petals, mingled with wide center petals. **75 cts. each, \$7.50 per doz.**

COURONNE D'OR. Large; flat, semi-rose type. Pure white, with a ring of yellow stamens around a tuft of center petals tipped carmine. **75 cts. each, \$7.50 per doz.**

DUCHESSE DE NEMOURS. Pure white crown; sulphur-white collar, no crimson flecks. **75 cts. each, \$7.50 per doz.**

FESTIVA MAXIMA. Very large; globular rose type. Pure white, center prominently flecked crimson; outer petals sometimes faint lilac, white on first opening. The most popular white variety for cut-flowers. **75 cts. each, \$7.50 per doz.**

FELIX CROUSSE. We consider this one of the finest brilliant red Peonies. **\$1.25 each, \$12.50 per doz.**

LA COQUETTE. Large; globular high crown. Guards and crown light pink; collar rose-white; center flecked crimson. **75 cts. each, \$7.50 per doz.**

L'INDISPENSABLE. Globular rose type. Lilac-white, shading to pale violet-rose toward the center; very light buds. **\$1 each, \$10 per doz.**

LIVINGSTONE. Large; compact; perfect rose type. Pale lilac-rose with silver tips; central petals flecked carmine. **\$1.25 each, \$12.50 per doz.**

MARGUERITE GERARD. Large; compact semi-rose type, developing into a crown with stamens. Very pale hydrangea-pink, fading to nearly white; central petals flecked carmine. **\$1 each, \$10 per doz.**

MME. CALOT. Large; rose type. Pale hydrangea-pink, center shading darker; collar tinged silver. **\$1 each, \$10 per doz.**

MARIE LEMOINE. Large; compact rose type. Pure white with cream center, occasional carmine tip. **\$1 each, \$10 per doz.**

MME. COSTE. Medium size; globular bomb, developing a low crown. Guards and center hydrangea-pink; collar cream-white. **75 cts. each, \$7.50 per doz.**

MME. CROUSSE. Medium size; globular crown. Pure white center, flecked crimson. **\$1 each, \$10 per doz.**

MME. DE VERNEVILLE. Large; full bomb. Pure white center; blush when first open, fading to pure white; prominent carmine specks. Fragrant. Extra-fine bloomer. Medium height. **75 cts. each, \$7.50 per doz.**

MONS. DUPONT. Large; flat rose type. Mild white center, splashed crimson, showing stamens. **\$1 each, \$10 per doz.**

MONS. JULES ELIE. Color an ideal glossy lilac-pink, shading to deeper rose at the base of the entire flower, overlaid with a sheen of silvery rose. **\$1.50 each, \$15 per doz.**

PHILOMELE. Medium size; low flat crown. Guard bright violet-rose; center of narrow amber-yellow petals, changing to cream as the flower develops. **\$1 each, \$10 per doz.**

SOLANGE. Large, full, compact flower of rose type. Outer petals delicate lilac-white, deepening toward the center, with a salmon shading. The plant is a strong grower and free bloomer. It is regarded by the American Peony Society as one of the best three in the world today. **\$6 each, \$60 per doz.**

S. & W. CO.'S SWEET PEAS EARLY-FLOWERING VARIETIES

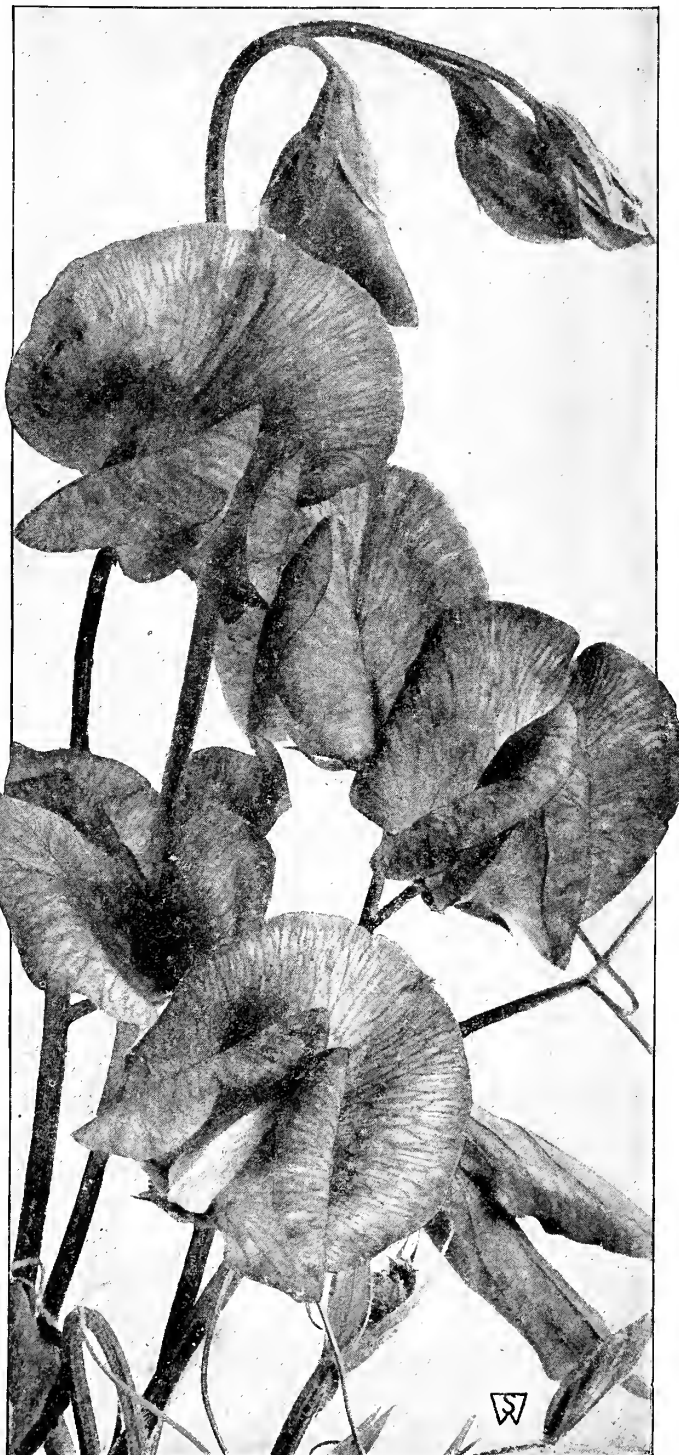
We have great pleasure in offering to our patrons a very complete list of Early or Winter-flowering Spencer Sweet Peas. Many of our patrons grew them under glass last fall and produced wonderful results. This, however, is not the only reason Sweet Pea growers have worked to produce the large-flowering strain of Sweet Peas to flower early. This new race of Early-flowering Spencer Sweet Peas is particularly adapted to sections where the Summer-flowering Spencer varieties have not proved satisfactory. In our southern states, Japan, Australia, as well as all tropical or sub-tropical countries, this strain of Early-flowering Spencers, if sown during the early fall months, will produce flowers during the winter and continue until killed by the extreme heat. This is a distinct advantage over the regular Spencer Sweet Peas which, if sown at the same time, will not begin flowering until April.

The number of varieties of Early-flowering Sweet Peas that are now being offered has become so numerous that we have been obliged to make a careful survey of the kinds that are distinct in their color and also those that do best in the various parts of this country. The following list, we feel, covers this need quite well.

The expression *Early* before each variety is used so as to avoid these new varieties being confused with the late-flowering varieties.

All packets contain 50 seeds each

	Pkt.	½oz.	Oz.
Early All White. The largest white-seeded pure white; vigorous grower.....	\$o 25	\$o 85	\$1 50
Early Amethyst. Royal purple; medium grower.....	25	60	1 00
Early Asta Ohn. Lavender-mauve; medium grower.....	25	60	1 00
Early Aviator. Best Christmas red.....	25	85	1 50
Early Blanche Ferry. Identical in color to the popular late-blooming pink-and-white variety.....	25	60	1 00
Early Blue Bird. The finest Wedgwood blue; throws a small percentage of dark blue rogues, but grows more vigorous than any other blue, fully a foot higher.....	25	85	1 50
Early Blue Jacket. Rich deep navy blue.....	25	60	1 00
Early Canary Bird. Rich canary-yellow.....	25	60	1 00
Early Cream. Best pale yellow.....	25	60	1 00
Early Columbia. One of the finest of recent introductions. An improved Blanche Ferry, with a deeper rose standard and whiter wings.....	25	85	1 50
Early Glitters. One of the finest of its color—bright cerise.....	25	85	1 50
Early Grenadier. Best dazzling scarlet.....	50	1 75	3 00
Early Hercules. Beautiful large rosy pink flowers; vigorous grower; will continue to produce flowers when all others are out of season.....	25	60	1 00
Early Irene. Finest clear lavender.....	25	85	1 50
Early Lavender King. Rich lavender.....	25	60	1 00
Early Madonna. The best black-seeded white variety; easy to germinate, and better than Mrs. Spanolin.....	25	85	1 50
Early Morning Star. Orange-salmon.....	25	60	1 00
Early Mrs. Kerr. Best salmon-pink.....	40	1 25	2 00
Early Rose Charm. Large; bright rose-pink.....	25	85	1 50
Early Rose Queen. A popular shade of rose-pink.....	25	60	1 00
Early Snowstorm. Very good white, vigorous grower.....	25	60	1 00
Early Spring Maid. Light pink on cream ground.....	25	60	1 00
Early True Blue. Light violet-blue.....	25	60	1 00
Early Venus. Standards white, slightly flushed pink wings.....	25	60	1 00
Early Wedgwood. This is a fine light blue, but not as early as Blue Bird.....	25	60	1 00
Early Yarrowa. Vigorous grower. This is still considered among the good pink varieties...	20	60	1 00
Zvolanek's Rose. The finest novelty of recent introduction; by all odds the finest rose pink.	25	85	1 50
Early-flowering Mixed. We offer a mixture of Early-flowering Sweet Peas covering all the colors.....	15	40	75



Early-flowering Sweet Pea, Blue Bird

MOONLIGHT

STRIPED BEAUTY

UNION
JACK

FINE COTTAGE TULIPS

THE Old English Cottage Tulips are perhaps most noteworthy on account of their refined and elegant appearance. The colors are delicate, and many of the varieties have a very pleasing fragrance. We offer four varieties at moderate prices, several of which are unique in color.

	Doz.	100	1,000
Moonlight	\$0 85	\$6 00	\$58 00
Striped Beauty	1 00	7 00	68 00
The Fawn	80	5 50	52 00
Union Jack	1 00	7 00	68 00

COLLECTION OFFER. 25 Bulbs each of above
4 varieties, 100 Bulbs, \$5

THE FAWN

For complete descriptions of Cottage Tulips listed above see pages 10 and 11

PRIDE OF
INGLEScombe

RARE COTTAGE TULIPS

FOR the tulip fancier who delights in growing the newer varieties we feel sure the ones offered on this page will make a strong appeal. The colors are considered among the most refined and artistic.

	Doz.	100
Flava	\$2 00	\$15 00
Hammer Hales	2 00	15 00
Mrs. Kerrell	2 00	15 00
Pride of Inglescombe	1 25	9 00

COLLECTION OFFER. 25 Bulbs each of
above 4 varieties, 100 Bulbs, \$12

FLAVA

HAMMER HALES

MRS.
KERRELL

For complete descriptions of Cottage Tulips listed above see pages 10 and 11



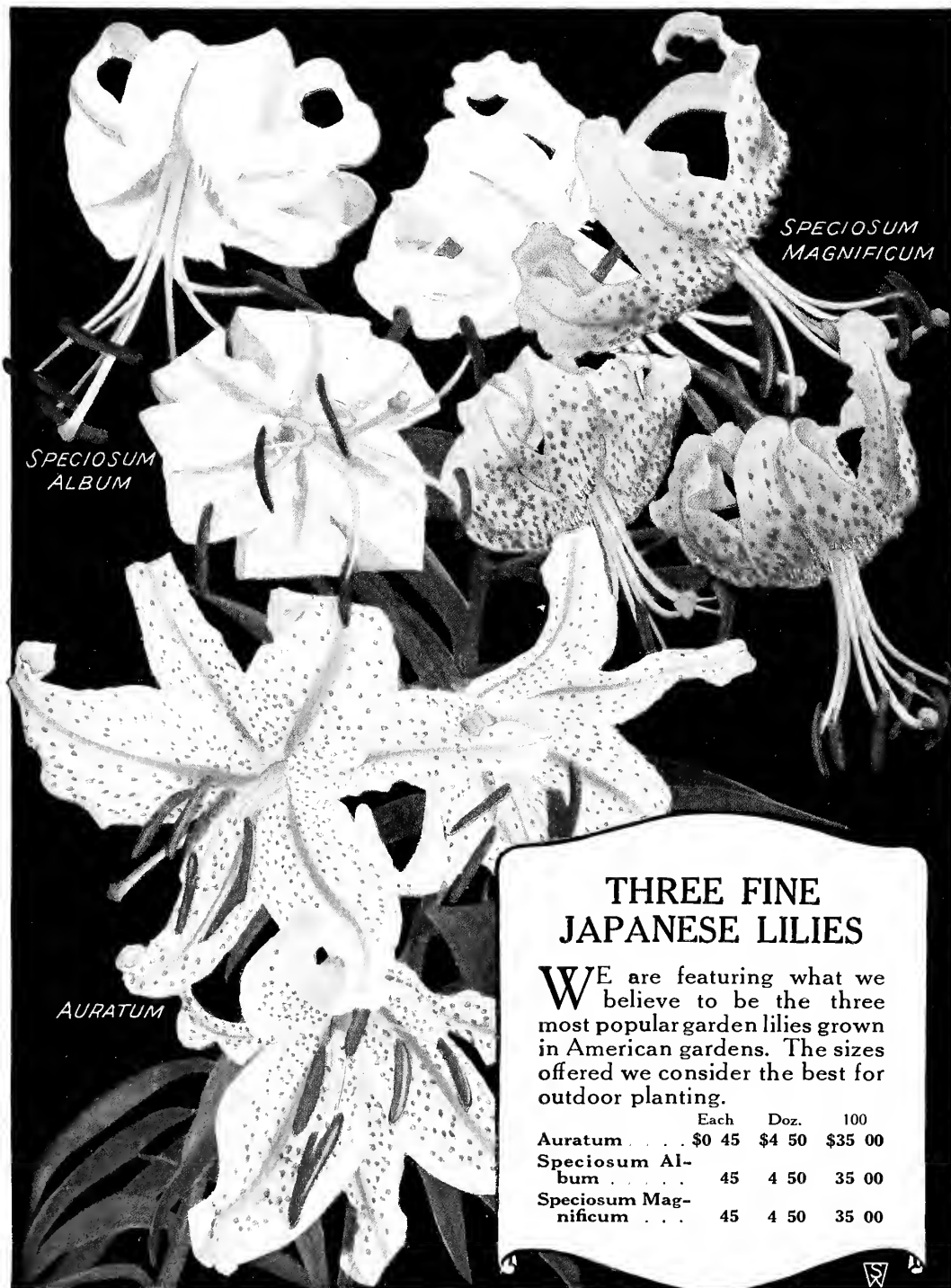
LAST YEAR TO IMPORT HOLLAND DAFFODILS

Seven Distinct Fine Daffodils

WHETHER for Garden or Indoor Culture, we can heartily recommend the various types of Narcissi, or Daffodils, featured on this page.

	Each	Doz.	100		Each	Doz.	100
King Alfred (First Size)	\$0 30	\$3 00	\$20 00	Poeticus Ornatus	\$0 10	\$0 85	\$6 00
Lady Godiva	15	1 25	9 00	Victoria (First Size)	10	1 00	7 00
Lucifer	15	1 25	8 00	White Lady	15	1 25	8 00
Poetaz Aspasia	15	1 25	8 00				

For complete descriptions of Daffodils listed above see pages 24 to 28



SPECIOSUM ALBUM

SPECIOSUM MAGNIFICUM

AURATUM

THREE FINE JAPANESE LILIES

WE are featuring what we believe to be the three most popular garden lilies grown in American gardens. The sizes offered we consider the best for outdoor planting.

	Each	Doz.	100
Auratum . . .	\$0 45	\$4 50	\$35 00
Speciosum Album . . .	45	4 50	35 00
Speciosum Magnificum . . .	45	4 50	35 00

For complete description of Liliiums listed above see pages 30 and 31



How to Make A Lawn



THE production of a good lawn is not at all difficult. The method is as follows: (1) Dig the soil about 6 inches deep, but only when it is dry, if rain has fallen recently allow a few days of fine weather to elapse before commencing work. (2) As you dig, lift each clod high enough to enable you to turn it completely over. (3) Strike the inverted clod with the back of the fork to break it. (4) As the work proceeds, remove all stones, sticks, and rubbish. (5) Scatter **Stump & Walter Co.'s Emerald Grass Fertilizer** on the dug earth; use 1 ton per acre or 1 pound to each 25 square feet. (6) Draw a rake back and forth until the soil is smooth and in fine condition. (7) Sow **Staigreen Lawn Seed** at the minimum rate of 100 pounds per acre (4 bushels) or 1 pound (nearly 2 quarts) to each 400 square feet. Double the quantity when turf is needed quickly. Select a day when no wind is blowing; divide the seed into two portions and sow the land twice to insure its even covering; it is important to stir the contents of the bag now and again. When you have sown the seed, rake the land once more, but very lightly. Do not work the rake back and forth—merely draw it toward you in a series of light strokes, raking only once in the same place. The idea is to bury most of the grass seeds no more than $\frac{1}{2}$ inch deep. (8) Roll the seeded area, but should rain fall before the work is completed, defer the rolling until the land has dried.

How long will the Lawn be growing?

This varies with the time of year, quality of soil, rainfall, etc. Under very favorable conditions the young seedlings show through in less than ten days and the whole area looks green in a further two weeks, wait four weeks more before walking on the grass except to mow and roll it.

When is the best time to make a Lawn? Early spring and late summer are the best, but seed will usually grow quite well if sown at any time of the year.

Will the above directions hold on poor or sandy land?

Before commencing work on poor soil, spread rotted horse-manure or cow-manure over the land at the rate of 20 tons to the acre or 1 pound per square foot. Then proceed exactly as directed. If manure cannot be procured, use Pulverized Sheep Manure at the rate of 2 tons to the acre or 1 pound to each 10 square feet. Do not attempt to grow a lawn on excavated soil, subsoil, or "fill" without first applying manure, digging, then adding at least an inch of top-soil, two or three if possible. Apply Emerald Grass Fertilizer, and proceed as suggested.

How about moist, sour soil? Spread hydrated lime at the rate of 2 tons per acre or 1 pound to each 10 square feet; then follow directions. In bad cases it will be necessary first to drain the land by digging ditches or laying tile.

Should I sprinkle the new Lawn with water?

Best not for the first three weeks, as it is likely to do more harm than good. Later, when the grass has started, it should be watered in dry weather; use an approved type of sprinkler and soak thoroughly every three days.

FALL SEEDING

August 15 to October 1 is the best period of the year in this locality for sowing grass seed. The grass will root deeper, and you will not have a strong weed growth to contend with as in spring seeding.

What after-care is needed? As soon as the young grass is 2 inches high, begin cutting it and keep it regularly mown, roll it at least once a week, and water during dry weather.

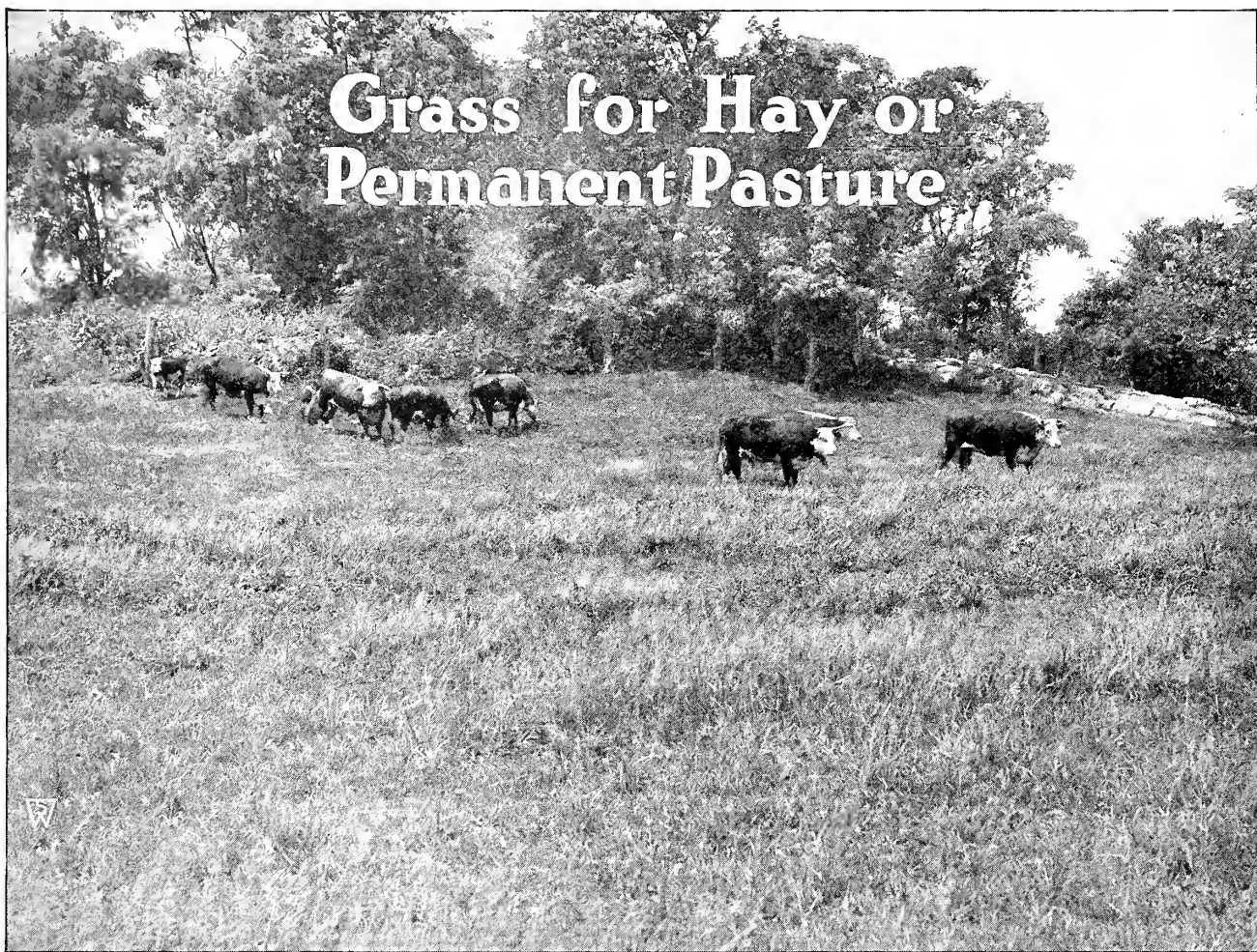
How about Weeds? Stump & Walter Co.'s seeds are as free from weeds as care and modern machinery can make them. All soils, however, contain seeds of weeds—some more than others—and many of these start to grow along with the grass. Close cutting will kill most, but the few that remain must be taken out, and the holes filled with good soil in which you have mixed some grass seeds.

How about White Clover? We include Clover only in our lowest-priced mixture, which we call "High Grade Lawn Seed," because Clover is generally omitted nowadays in the finest lawns. For the convenience of our customers who wish it, we offer **Superfine White Clover**. Oz. 10c., $\frac{1}{4}$ lb. 30c., lb. 85c., 5 lbs. \$4, bus. (60 lbs.) \$39, 100 lbs. \$65. Mixed with grass seeds, the usual allowance is 5 per cent.

Is "Staigreen" the best seed to use? No seeds are purer and no seeds grow more vigorously than the grass seeds in Staigreen, which is a mixture of five distinct varieties, and for the finest lawns around the residence Staigreen cannot be surpassed. For shade and special conditions use the mixtures described on page 2. **Staigreen Lawn Mixture**. Lb. 60 cts., $2\frac{1}{2}$ lbs. \$1.40, 5 lbs. \$2.75, $12\frac{1}{2}$ lbs. \$6.25, 25 lbs. \$12, 100 lbs. \$47.50.



Grass for Hay or Permanent Pasture



For every different kind and condition of soil there are a large number of grasses, either indigenous or introduced, which are especially suitable. Some sorts do best on high ground and in dry weather; others prefer plenty of moisture. Some mature so early and others so late that from the beginning of spring until winter sets in there is no time when one species or another is not at its best. From these considerations, the importance of sowing many varieties for pasture and meadow purposes will be apparent, consisting of the following varieties: Orchard Grass, Meadow Foxtail, Sheep's Fescue, Rhode Island or Creeping Bent, Hard Fescue, Sweet-scented Vernal (True Perennial), Meadow Fescue, English Rye Grass, Italian Rye Grass, Red Top, and Timothy, blended in proportions which we have found, from actual use, give the most satisfactory results.

On ordinarily fertile soil 80 pounds of this mixture are sufficient to seed an acre, but where the land is poor a larger quantity will be necessary.

For Hay and Permanent Pasture for Light Soils.

For Hay and Permanent Pasture for Medium Soils.

For Hay and Permanent Pasture for Heavy Soils.

For Orchard and Shady Places.

For Hay Only. Specially recommended for large hay crop.

For Pasture Only. Will stand close cropping without injury.

Mixed Grasses. Lb. 45 cts., 10 lbs. \$4, 100 lbs. \$35.

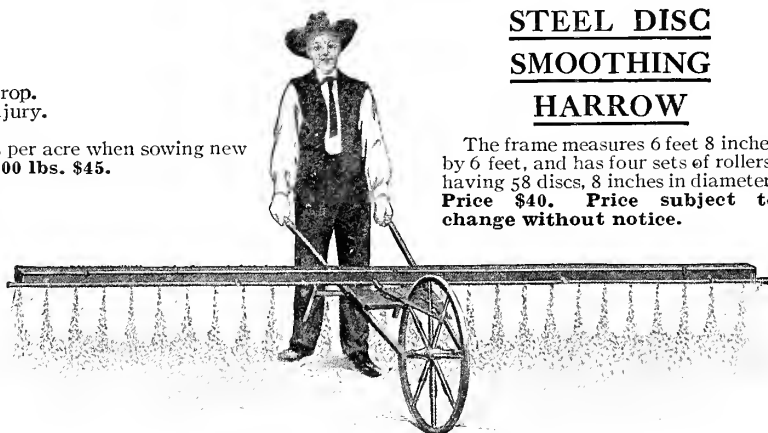
Mixed Clovers for pasture and hay-fields. Use 20 pounds per acre when sowing new land. Lb. 50 cts., postpaid, 60 cts.; 10 lbs. \$4.75, 100 lbs. \$45.

S. & W. CO.'S WHEELBARROW GRASS SEEDERS

On the market over thirty years and over 200,000 sold. For sowing all kinds of grass seeds broadcast, clover, timothy, alfalfa, Hungarian millet, rape and all small seeds. Also all chaffy seeds like red top, orchard grass, and clean blue grass, bent grass, any quantity per acre desired. They are no experiment, and are guaranteed to do an even, accurate, first-class job of seeding. **Price (14 feet sowing area) \$17; with additional hopper, for broadcasting Bordeaux powder, tobacco dust, etc., \$27.**

STEEL DISC SMOOTHING HARROW

The frame measures 6 feet 8 inches by 6 feet, and has four sets of rollers, having 58 discs, 8 inches in diameter. **Price \$40. Price subject to change without notice.**



S. & W. Co.'s Wheelbarrow Grass Seeder



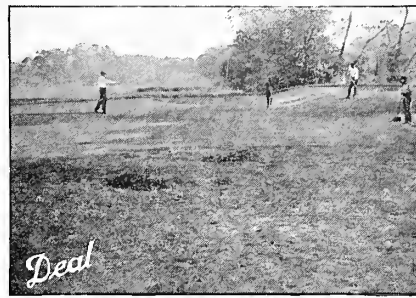
No. 3 Putting-Green, Fairview Country Club.
Stumpp & Walter Seeds used.

Stumpp & Walter Co.'s

GRASS SEEDS

FOR

GOLF COURSES



No. 4 Putting-Green, Deal Golf Club.
Stumpp & Walter Seeds used.



No. 17 Putting-Green, Hollywood Golf Club.
Stumpp & Walter Seeds used.

Putting-Green Seeds

Standard Putting-Green Mixture. 65 cts. per lb., \$3 for 5 lbs., \$13.50 for 25 lbs., \$50 per 100 lbs.

Putting-Green Bent Formula. 85 cts. per lb., \$4 for 5 lbs., \$18 for 25 lbs., \$65 per 100 lbs.

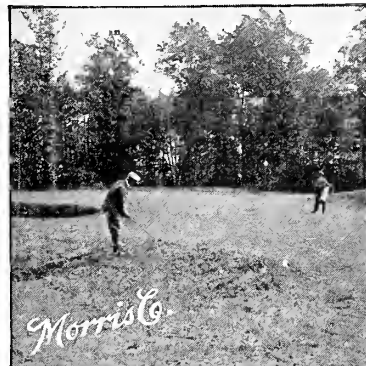
Fair-Green Seeds

Fair-Green Mixture. 55 cts. per lb., \$2.50 for 5 lbs., \$11 for 25 lbs., \$40 per 100 lbs.

Tees

Special Mixture for Tees. 65 cts. per lb., \$3 for 5 lbs., \$13.50 for 25 lbs., \$50 per 100 lbs.

For other Special Mixtures for Golf-Courses or Polo-Fields, refer to our "Golf Turf" or Spring Catalogue.



No. 5 Green, New Course, Morris County Country Club. Stumpp & Walter Seeds used.

GENERAL LIST OF VARIETIES

Agrostis Varieties or Bents

	Wt. per bus. lbs.	Lb.	10 lbs.	100 lbs.
Creeping Bent (<i>Agrostis species</i> ; Fiorin; Mixed Bents).				
Superfine quality.....	24	\$1 75	\$15 00	\$125 00
Fine quality.....		1 50	12 50	100 00
Colonial Bent (<i>Agrostis tenuis</i> ; <i>A. vulgaris</i>). Superfine quality.....		1 85	16 00	135 00
Fine quality.....		1 50	12 50	100 00
Red Top (<i>Agrostis palustris</i> ; <i>A. alba</i>). Superfine quality.....	36	45	4 00	37 50
Re-cleaned quality.....	32	40	3 50	32 50
Unhulled quality.....	18	30	2 50	22 50

Poa Varieties or Meadow Grasses

Canadian Blue Grass (<i>Poa compressa</i>).....	18	55	5 00	45 00
Kentucky Blue Grass (<i>Poa pratensis</i> ; June Grass).				
Superfine quality.....	27	75	7 00	65 00
Fine quality.....	21	65	6 00	55 00
Rough-stalked Meadow Grass (<i>Poa trivialis</i>).....	26	85	8 00	75 00
Wood Meadow Grass (<i>Poa nemoralis</i>).....	20	95	9 25	85 00

Festuca Varieties or Fescues

Hard Fescue (<i>Festuca duriuscula</i>).....	20	40	3 50	30 00
Red Fescue, Chewing's N. Z. (<i>Festuca rubra</i>).....		60	5 50	50 00
Red Fescue, European	27	50	4 50	40 00
Sheep's Fescue (<i>Festuca ovina</i>).....	16	40	3 50	30 00
Fine-leaved Sheep's Fescue (<i>Festuca ovina angustifolia</i> ; <i>F. capillata</i> ; <i>F. tenuifolia</i>).....	22	75	7 00	65 00
Various-leaved Fescue (<i>Festuca heterophylla</i>).....	15	80	7 50	70 00
Meadow Fescue (<i>Festuca pratensis</i>)....	27	30	2 50	22 50

Lolium Varieties or Rye Grasses

	Wt. per bus. lbs.	Lb.	10 lbs.	100 lbs.
English Rye Grass (<i>Lolium perenne</i>)...	28	\$0 30	\$2 50	\$22 50
Pacey's Perennial Rye Grass (<i>Lolium perenne</i> Pacey).....	30	30	2 75	25 00
Italian Rye Grass (<i>Lolium italicum</i> ; <i>L. multiflorum</i>).....	22	30	2 50	22 50

Sundry Varieties

Bermuda Grass (<i>Cynodon Dactylon</i> ; <i>Capriola Dactylon</i>).....	36	75	7 00	65 00
Carpet Grass (<i>Axonopus compressus</i>)...		65	6 00	55 00
Crested Dog's-tail (<i>Cynosurus cristatus</i>).....	30	55	5 00	45 00
Sweet Vernal (<i>Anthoxanthum odoratum</i>).....	10	1 50	13 00	120 00
Meadow Foxtail (<i>Alopecurus pratensis</i>).....	10	95	9 00	85 00
Tall Oat Grass (<i>Avena elatior</i> ; <i>Arrhenatherum elatius</i>).....	14	60	5 50	50 00
Orchard Grass (<i>Dactylis glomerata</i> ; (Cocksfoot).....	14	45	4 00	35 00
Timothy (<i>Phleum pratense</i> ; Herd's Grass).....	45	20	1 75	15 00
Yarrow (<i>Achillea millefolium</i>).....		2 50		

Quantity of Mixed Seeds to Sow

For Golf. Average Putting-Green, 50 pounds; fairway, 200 pounds per acre.

For Lawns. Conditions generally less exacting and a smaller quantity ordinarily will suffice. Use 1 pound per 400 square feet (20 x 20 ft.) or 100 pounds per acre. Double quantity for quick results.

Use one-half above quantities for renovating existing turf.



A field of Leap's Prolific Wheat grown for us at the foothills of the Appalachian Mountains in the Shenandoah Valley. A hard red Wheat with hardly a fault

Selected Winter Seed Wheat

Prices subject to market changes. Delivery f.o.b. New York; bags extra at cost

BEARDLESS. CHAFF WHITE
GRAIN HARD, LARGE, DARK

Leap's Prolific

STRAW LONG, STIFF. RIPENS EARLY
SOW $1\frac{1}{2}$ TO 2 BUSHELS PER ACRE

A variety of Wheat which originated in the Shenandoah Valley. Leap's Prolific need not be seeded as heavily as most other Wheats. It stools out strongly and roots deeply, each grain producing a great bunch of stalks. A large, dark red hard Wheat which, while being a heavy yielder, is not weak in color or soft. The heads are large, the chaff of a beautiful white and without beards. The glumes are close together on the head and so well closed that the wheat does not shatter badly in handling. The straw is of medium length, is thick walled, and holds up a crop of 40 bushels per acre finely. The new crop which has just been harvested under our own supervision, is of very high quality and averaged 35 bushels per acre. We can confidently recommend this as one of the best winter Wheats we know of. **Pk. \$1.50, $\frac{1}{2}$ bus. \$2.50, bus. \$4.75, 10-bus. lots, \$4.25 per bus.**

Jones' St. Louis Grand Prize (Beardless)

This variety has proven itself to be adapted to all soils, doing well on light, sandy, clay loam, or river-bottom lands, and is also almost as entirely fly-proof as a Wheat can be. A strong, vigorous grower, with dark, wide foliage. The straw is of medium length and very stocky; heads are square, compactly filled from base to tip, not extremely long, but the wide breasts running the length of the head encroach upon each other for room, and contain mostly four kernels each; color medium dark red, and of excellent milling quality. **Pk. \$1.60, $\frac{1}{2}$ bus. \$3, bus. \$5, 10-bus. lots, \$4.50 per bus.**

Jones' Red Wave (Beardless)

This grand Wheat has fully maintained the good opinion expressed when first sent out in 1906. It is a cross between early Red Clawson and an unnamed crossbreed of Russian parentage. It is a bald Wheat with brown chaff; dark, medium-long, large grain; heads very long and broad, filled with medium-long, large, hard, dark kernels, rich in gluten. Straw golden; above medium height, stocky, very strong, thick-walled and not liable to go down; heads slightly leaning, hence not liable to sprout in the field. **Pk. \$1.60, $\frac{1}{2}$ bus. \$3, bus. \$5, 10-bus lots, \$4.50 per bus.**

GRAIN LARGE, HARD, LONG BERRY
TYPE, PLUMP, DARK RED

Lancaster Fulcaster

BEARDED. SOW $1\frac{3}{4}$ BUS.
PER ACRE

Lancaster Fulcaster is rightly one of the most popular bearded Wheats. It is a variety that under our care and supervision was improved by years of selection from the old "Fulcaster." It is one of the purest Wheats now being offered. "Lancaster Fulcaster" is a reliable yielder year after year. In years when all conditions are against successful crops this variety proves its reliability by making good average yields in spite of adverse conditions. **Pk. \$1.25, $\frac{1}{2}$ bus. \$2.25, bus. \$4.50, 10 bus., \$4 per bus.**



SEASONABLE FARM SEEDS

Prices f. o. b. Boat or Railroad, New York,
and are subject to market changes

MAMMOTH WHITE WINTER RYE

The heads average 6 to 8 inches in length and are filled from end to end with large, plump, heavy grains. The straw is giant in length and strength and of extraordinary stiffness, resisting severe wind- and rain-storms to a remarkable degree without lodging. **Bus. \$3.50, in 10 bus. lots, \$3 per bus.**

CERTIFIED ROSEN RYE

One of the greatest achievements in the science of breeding and selecting varieties of grain. Introduced in 1912 to the farmers of the State by the Michigan Experiment Station. A great yielding variety. Rosen occupies about three-fourths of Michigan's 550,000 acres of Rye. Now growing and giving excellent success in a great many parts of the United States and Canada. Rosen has the "big head"; its "big head" is "full." **Pk. \$1.25, bus. \$4.25, 10 bus. \$37.50.**

RECLEANED ALFALFA

Now is the Time to Sow

Sow 30 to 40 pounds per acre if broadcasted, or 25 to 30 pounds, if drilled in, in May, or during August and early September, or most any season when weather conditions are favorable; top-dress it with manure every fall, and it will rarely winter-kill. It can be cut usually three times in one season. The great secret in getting a successful stand of Alfalfa lies in the preparation of the ground; it will pay everyone who wants to grow this valuable farm crop to give the ground preparation most intelligent thought. It must be borne in mind that an Alfalfa field properly started will yield successfully a score of years. **Northern-grown seed. Lb. 40 cts., 10 lbs. \$3.75, 100 lbs. \$35.**

GRIMM ALFALFA

The Grimm Alfalfa is much hardier than the ordinary kinds obtained from Kansas, Utah, and elsewhere, and there is even strong reason to believe that it is the hardiest known form of the cultivated plant. It not only endures extremely low temperatures with or without snow and other adverse conditions, but it can be cut with greater safety late in the fall and will bear more abuse in the way of pasturage than any other plant that has been compared with it until this time. There is some disagreement among investigators as to how Grimm Alfalfa obtained its hardiness, but there is no difference of opinion that it is hardy. **Lb. 75 cts., 10 lbs. \$7, 100 lbs. \$65.**

All Farm Seeds listed on this page are furnished in seamless bags, for which a charge of 45 cts. for each two bushels is made

CRIMSON CLOVER

(Trifolium incarnatum)

Splendid and Economical Cover-Crop for Using Green or Plowing Under

Used principally for soiling or green manuring, for which purposes it is largely used. If desired for feed, cut it just before it flowers; when desired for green manure or soiling, it should be left until mature before plowing under. Sow Crimson Clover in September and October or at the last working of such crops as corn, beans, melons, cucumbers, tomatoes, etc., at the rate of 20 pounds to the acre. **Lb. 25 cts., 10 lbs. \$2, 100 lbs. \$16.**

VARIOUS CLOVERS

Alsike, or Swedish (*Trifolium hybridum*). Hardest of all Clovers, and on rich, moist soil yields an enormous quantity of hay or pasture. Lasts many years. Sow 10 lbs. per acre when used alone. **Lb. 45 cts., 10 lbs. \$3.75, 100 lbs. \$35.**

Red Clover, Medium (*Trifolium pratense*). Medium Clover. The leading variety of Clover for pastures or meadows. Finest quality. Sow 20 pounds per acre alone, or 15 pounds where other grass or hay crops are standing. **Hardy American-grown seed. Lb. 50 cts., 10 lbs. \$4.75, 100 lbs. \$45.**

White Dutch Clover (*Trifolium repens*). The best variety for lawns, as it forms a close herbage and remains green throughout the season. **Lb. 85 cts., 10 lbs. \$8, 100 lbs. \$65.**

WINTER VETCH (*Vicia villosa*)

True Sand or Hairy Vetch

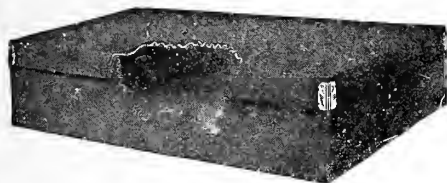
Extensively used as a soil renovator or for dry or green feed in the early spring. It may be sown alone or with winter rye or oats; is perfectly hardy, thriving in every climate, under most adverse conditions. Is very nutritious and live-stock relish it. When sown with rye, etc., it will attain a height of 4 to 5 feet; it requires one-half bushel to sow an acre, or one bushel if sown alone. Sow as early as possible in the fall or summer and get a good growth before cold weather sets in. 60 lbs. per bushel. **Lb. 30 cts., 10 lbs. \$2.50, 100 lbs. \$20.**

DWARF ESSEX RAPE

Valuable as a fattening food for pasturing sheep in autumn. It is particularly adapted as a "catch crop." Sow 10 to 12 lbs. to an acre broadcast, 4 to 5 lbs. in drills. **Lb. 20c., 10 lbs. \$1.75, 100 lbs. \$14.**

PRICES SUBJECT TO MARKET CHANGES

Bird Houses, Flower Boxes, Baskets, Pots, Fiberware



Corrugated Flower Box

Flower Boxes

Cardboard, Flower. Ivy green; lock corners.

No.	Length	Width	Depth	Doz.	100
No. 1.	18 in.	5 in.	3 in.	\$1 00	\$6 00
No. 2.	21 in.	5 in.	3 in.	1 20	7 00
No. 3.	24 in.	8 in.	4 in.	1 60	10 50
No. 4.	28 in.	8 in.	5 in.	2 25	13 00
No. 5.	36 in.	8 in.	5 in.	3 00	16 00

Violet.

No. 5.	11 in.	5 1/2 in.	8 in.	1 30	7 00
No. 10.	9 in.	5 in.	6 in.	1 20	6 00

Corrugated Cardboard. Very heavy and durable; extensively used by florists for shipping cut-flowers.

No.	Doz.	100
A 20 x 7 x 4 in.	\$3 50	\$25 00
B 28 x 8 x 5 in.	4 50	35 00
C 30 x 12 x 6 in.	6 00	45 00
D 36 x 14 x 8 in.	8 00	60 00
E 48 x 14 x 8 in.	10 00	75 00
F 36 x 12 x 6 in.	7 00	50 00



Flower Vase

Flower Vases

Galvanized Iron, Painted Green, Waterproof

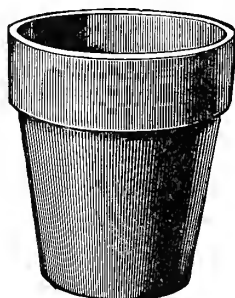
For displaying cut-flowers. Extra strong and durable.

No.	Depth	Top Diam.	Each	Doz.
0.	13 in.	8 in.	\$1 25	\$12 00
01.	20 in.	9 in.	1 50	14 00
1.	9 in.	5 in.	65	6 25
2.	10 in.	6 1/2 in.	85	8 00
11.	17 in.	8 in.	1 25	12 00
22.	15 in.	7 in.	1 00	9 50
33.	12 1/2 in.	6 1/2 in.	85	8 00
55.	5 in.	5 in.	50	4 00
66.	6 in.	6 in.	60	5 50

Flower Pots, Standard

EARTHENWARE. Best on the market

Diam.	Each	Doz.	100
2 in.	\$0 40	\$1 60	\$14 00
2 1/2 in.	50	2 50	18 00
3 in.	70	3 50	25 00
4 in.	\$0 10	1 00	5 50
5 in.	20	1 75	9 50
6 in.	25	2 25	13 00
7 in.	35	3 25	22 00
8 in.	50	5 00	34 00
9 in.	1 00	10 00	55 00
10 in.	1 25	12 00	70 00



Flower Pot

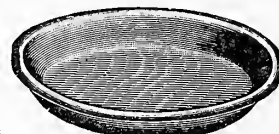
Saucers of same material, to fit Pots, furnished extra

Diam.	Each	Doz.	100
4 in.	\$0 50	\$3 00	
5 in.	60	3 80	
6 in.	\$0 10	1 00	5 80
7 in.	15	1 30	7 80
8 in.	15	1 50	10 60
9 in.	25	2 50	14 50
10 in.	30	3 00	17 50
11 in.	35	3 50	21 50

Flower-Pot Saucers

FIBERWARE, Waterproof

Light and not readily broken; have a surface that will not scratch, like earthenware. Order saucer 2 inches larger than the bottom diameter of pot.

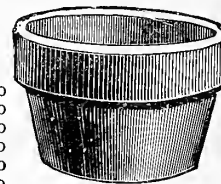


Flower-Pot Saucer

No.	Diam. outside	Each	Doz.	No.	Diam. outside	Each	Doz.
5.	5 in.	\$0 30	\$3 00	10.	10 in.	\$0 60	\$6 00
6.	6 in.	42	4 20	12.	12 in.	70	6 80
7.	7 in.	45	4 50	14.	14 in.	95	9 40
8.	8 in.	50	4 90	16.	16 in.	1 70	16 80
9.	9 in.	55	5 40	18.	18 in.	2 00	19 20

Bulb Pans. EARTHENWARE

Diam. at top	Depth	Each	Doz.	100
8 in.	4 1/4 in.	\$0 40	\$4 00	\$28 00
9 in.	4 3/8 in.	60	5 75	42 00
10 in.	4 1/2 in.	80	8 00	58 00
12 in.	4 3/4 in.	1 65	16 50	118 00
14 in.	5 in.	3 00	30 00	200 00
16 in.	7 in.	5 50	55 00	420 00

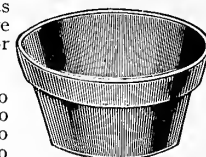


Bulb Pan

Azalea Pots

These pots differ from standard flower pots in that they resemble the bulb pans but are deeper. Excellent for growing bulbs for exhibition.

Diam.	Depth	Each	Doz.	100
6 in.	5 in.	\$0 20	\$1 80	\$11 00
7 in.	6 in.	35	3 15	19 00
8 in.	7 in.	45	4 50	28 00
9 in.	7 1/2 in.	65	6 50	39 00
10 in.	8 in.	1 00	10 00	58 00
12 in.	10 in.	2 00	20 00	113 00



Azalea Pot



Paper Pot

Paper Flower Pots, Neponset

Very economical; waterproof; can be nested closely for shipping.

Diam.	Doz.	100
2 1/4 in.	\$0 12	\$0 60
2 1/2 in.	15	65
3 in.	20	90
3 1/2 in.	25	1 10
4 in.	35	2 25
5 in.	60	3 50
6 in.	70	4 50

Reed Mats

These mats are made from reeds and are used for covering hotbed frames. Size 75 x 75 in., \$2.50 each, \$27 per doz.



Bird Houses

Encourage the birds; they are your friends. They have a keen appetite for grasshoppers, grubs, beetles, flies, and other pests; their presence should indeed be welcome. You can easily find places for bird houses on your fences and trees and we can offer same as follows:

No.	Type	Families	Width	Height	Depth	Each
1.	Log Cabin.....	1	10 in.	10 in.	10 in.	\$2 25
2.	Log Cabin.....	2	10 in.	12 in.	14 in.	3 50
3.	Log Cabin.....	2	14 in.	12 in.	17 in.	4 25
4.	Colonial.....	2	14 in.	17 in.	16 in.	7 00
5.	Colonial.....	4	14 in.	18 in.	19 in.	8 50
6.	Hexagonal.....	2	12 in.	14 in.	12 in.	4 25
	Bird Shelters....		12 in.	10 in.	17 in.	3 25

Blue Martin House.

Hexagonal.....	12	22 in.	24 in.	25 00
8 ft. pole, \$6 extra.				

PRICES SUBJECT TO MARKET CHANGES

MISCELLANEOUS SUPPLIES

FOR COMPLETE LIST OF IMPLEMENTS AND SUPPLIES, SEE OUR SPRING CATALOGUE

Aprons, Gardeners'. English made. Each
Fine shalloon, 39-in., with bib and pocket.....\$4 00
Fine shalloon, 42-in., with bib and pocket..... 4 50
Heavy serge, 39-in., with bib and pocket..... 3 75
Heavy serge, 42-in., with bib and pocket..... 4 25

Bamboo Canes. See Plant Stakes, page 48.

Bamboo Rakes. Constructed of well-seasoned split bamboo held together by steel wire, and equipped with basswood handle bolted to rake. 75 cts. each.

Brooms, Bamboo. Excellent for sweeping lawns, putting-greens, and walks. Made of bamboo. \$1.50 each, \$15 per doz.

Brooms, Birch. Superior make, 75 cts. each, \$7.50 per doz.; with handle \$1.25 each, \$12.50 per doz.

Carnation Supports. Model Extension, 2-ring, \$1.10 per doz., \$7.50 per 100; 3-ring, \$1.35 per doz., \$8.50 per 100.

Carnation Bands, Rubber. To prevent splitting of calyx. 25 cts. per oz.

Clips, Eureka. For fastening rose and chrysanthemum wire stakes. \$1.40 per box of 500, \$2.25 per box of 1,000.

Corn Knife. For cutting cornstalks or heavy grass. 60 cts. each, \$6.50 per doz.

Dibbles, or Dibbers

Just the tool for planting bulbs where ground is in good condition.

Brass Point and Wood Handle. The best Dibble. Polishes quickly; does not rust. \$1.25 each, \$12 per doz.

Steel Point and Wood Handle. Regular size, 9¾ in., \$1 each, \$10 per doz.

Small size, 8 in., 90 cts. each, \$9 per doz.



Forks

Hay. Finest quality steel; oval-shaped tines, solid steel shank, patent ferrule, long and strapped. 2-tine, \$1.20 each; 3-tine, \$1.30 each; 4-tine, \$1.45 each.

Manure. Long or short handle. 4-tine, D handle, best material, \$2; 5-tine, D handle, best material, \$2.15; 6-tine, D handle, best material, \$2.40. Long-handle Manure Forks may be had at same prices.

Spading. 4-tine, D handle, best material, \$2; 5-tine, D handle, best material, \$2.50. Long-handle Spading Forks may be had at same prices.

Gloves, Gardeners'. No. 131. All Leather, \$2.50 per pair. No. 186. Ladies', \$2 per pair.

Garden and Greenhouse Barrows

Regulation, No. 2, Boys'. Holds 2 cubic feet of earth.....\$6 00

Regulation, No. 4, Medium. Holds 4 cubic feet of earth... 8 00

Regulation, No. 5, Standard Size. Holds 5 cubic feet of earth 9 25

Wood Canal. Fully bolted; with steel wheel..... 5 00

Greenhouse. Built especially for narrow walks in greenhouse; also excellent for poultry-houses.....12 50

Glazing Materials

Permanite is a glazing compound composed of asbestos fiber and special long-life, weather-resisting, non-drying oils, which always keep it in an elastic condition and never allow it to harden. Little needs to be said about the addition of asbestos as the advantage of using this material—its indestructibility and ability to resist heat and cold—are too well known. 1 gal. \$2.50, 5 gals. \$2.40 per gal., 15 gals. \$2.25 per gal., 35 gals. \$2.10 per gal., 60 gals. \$2.10 per gal.

Permanite Gun. This Gun makes application of Permanite easy. Further particulars on request. \$6.50 each.

Putty Bulb, Scollay. A useful tool similar to the well-known Scollay Sprinkler, with a tube instead of spray for applying liquid putty in glazing greenhouses. \$1.50 each, \$4.20 for 3, \$15 per doz.

Glazing Points, Van Reyper's. No rights or lefts. No. 2, for large, single-thick glass, or for double-thick, for greenhouses and skylights. Box of 1,000, 75 cts.; in lots of 5,000, 65 cts. per 1,000. Pincers or pliers for same, 50 cts.; postpaid, 65 cts.

GLAZING MATERIALS, continued

Red Devil Glass Cutter. 25 cts., 35 cts. and 50 cts.
Putty Knife. No. 100. A very good tool. 50 cts. each.
Grafting Wax. ¼lb. 20 cts., ½lb. 35 cts., 1lb. 65 cts.

Hose, Rubber



Electric. Three-ply, non-kinkable, molded Hose. The strength and durability of this Hose place it with the very best grade of Hose manufactured.

Standard lengths, ¾-inch bore, 25 ft., \$6.25; 50 ft., \$12.

Standard lengths, ½-inch bore, 25 ft., \$5.75; 50 ft., \$10.50.

Other lengths, ¾-inch bore, cut and coupled, 24 cts. per ft.

Other lengths, ½-inch bore, cut and coupled, 21 cts. per ft.

S. & W.'s Special Brand (Wayahead). Surpasses all the cheaper grades of Hose. Its durability is not excelled by much of the higher-priced Hose. It is three-ply, seamless and non-kinkable. The satisfaction it gives is proved in the increased demand for it each season. Standard lengths, ¾-inch bore, 25 ft., \$4.50; 50 ft., \$8.50. Other lengths, ¾-inch bore, cut, 17 cts. per ft.

Rubber Spray Hose. High-pressure, ½-inch bore, 9-ply Hose is best. 30 cts. per foot. Low pressure, ½-inch bore, 7-ply, 20 cts. per foot. Couplings and clamps, 25 cts. extra.

Hose Nozzles

Stott's. A Nozzle that has become a favorite among rose-growers, etc., for exterminating red spider. Splendid Nozzle for reaching under the foliage; gives a very fine, misty spray. Single, \$1.50; double, \$3.

Mistry Jr. Can be used for spraying white-wash. \$1.75 each.

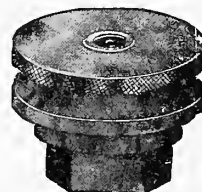
Magic. Brass Hose Nozzle, ¾-inch. Has a shut-off, a stream and a rose spray. Without rose, \$1.20; with rose, \$1.60.

Justrite Spray. A very popular adjustable nozzle. It gives a copious spray or a well-defined full stream. Has a positive shut-off, by turning the barrel of the nozzle. 90 cts.

Bordeaux Spray Nozzle. A good nozzle for whitewash and all heavy spray materials. \$1.50.

HOSE COUPLINGS. Evanston. Cast brass with long tailpiece, heavy swivel, deep bowl and perfect thread. ¾-inch, 50 cts.

Regular. ½-inch, 25 cts.; ¾-inch, 30 cts.



Mistry Jr.



Cooper's Brass Hose Menders

Hose Menders

Cooper's Brass. ½ and ¾-inch, 12 cts. each, \$1.20 per doz.; 1-inch, 15 cts. each, \$1.70 per doz.

Perfect Clincher. 15 cts. each, \$1.50 per doz., ½-inch or ¾-inch.



Abol Syringe

The most economical and efficient of hand sprayers. Embodies all the good features that are desired. The new, improved nozzle has three caps—fine, medium, and coarse. The fluid is divided by two whirling streams which come into violent contact just before leaving the cap and scatter into tiny particles, which do not fall to the ground on being discharged, but hang in the air and envelop the tree or bush. A bend is furnished to spray the under foliage. \$10.50. Shipping weight, 4 lbs.

PRICES SUBJECT TO MARKET CHANGES

MISCELLANEOUS SUPPLIES, continued

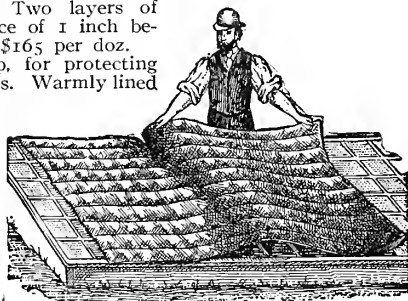
Hotbed Sash. Well made from clean cypress, glazed and painted two coats of white paint. \$8 each, \$90 per doz.

Double-Glass Sash. Two layers of glass with an air-space of 1 inch between. \$14.50 each, \$165 per doz.

Hotbed Mats. Burlap, for protecting coldframes and hotbeds. Warmly lined with waste wool and cotton, which are quilted in to hold position.

No. 1. 40 x 76 inches. Burlap on both sides. \$2.75 each; \$30 per doz.

No. 1. 76 x 76 inches. Burlap on both sides. \$3.75 each, \$39 per doz.



Hotbed Mat

Knives, Turf-Edging, Budding and Pruning

Solid Welded Steel Edging. Socket handle; made of the very best steel; imported English. 8-inch, \$2.50; 9-inch, \$3. Each

Half-Moon. Solid steel, with a polished handle. \$1 25
Planet Jr. Disc Edger. \$2.

Pruning—

No.	Each
1. Cocoa handle. 1 blade.	\$1 50
2. Ebony. 1 blade.	3 00
3. Stag. 2 blades.	2 75
4. Cocoa. 1 blade.	2 50
5. Cocoa. 2 blades.	3 25

Budding—

No.	Each
A. Ivory handle. 2 blades.	\$3 00
B. Bone, S. & W. 1 blade.	2 00
C. Ivory, S. & W. 2 blades.	2 25
D. Ivory. 1 blade.	2 75
E. Ivory. 2 blades.	2 75
F. Bone. 1 blade.	1 25

Kunde Knives, Budding and Pruning. Two blades; brass lined; polished wooden handle, \$3.

Kunde Knives, Budding. One blade; brass lined with polished wooden handle, \$2.

Pot or Garden Labels

Wooden—

	PAINTED
	100 1,000
4-inch	\$0 35 \$2 25
4 1/2-inch	40 2 50
5-inch	45 2 75
6-inch	60 3 25

	PAINTED
	100 1,000
7 1/2-inch	\$1 25 9 00
10-inch	1 35 11 00
12-inch	1 60 13 25

Copper-Wired—

3 1/2-inch	65 3 00
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Label Holder, S. & W. Co.'s Permanent. This Label Holder is finished with an index card covered with mica, making it absolutely rust-proof, finished in iron, galvanized and japanned green. Stake 24 inches high. No. 10 card, 2 3/4 x 1 1/2 inches 25 cts. each; No. 11 card, 3 x 2 inches, 30 cts. each.

Label Pencils. Permanent writing on wooden labels. 15 cts. each, \$1.50 per doz. X-L-All Indelible. 25 cts. each, \$2.50 per doz.

Melon Nets used in greenhouses as a support for forcing melons. Made very strong and durable. \$2.25 per dozen., \$17 per 100.

Paper—

Wax. 24 x 36. Ream...	\$4 00	Manila. 24 x 36. Ream...	\$4 00
18 x 24. Ream...	3 00	Wrapping. 40 x 48. Lb...	14
Tissue. 24 x 36. Ream...	2 50		

Plant Sprinkler, Scollay. Made of best rubber, straight neck. \$1.50; angle-neck, \$1.60.

S. & W. Co.'s Plant Sprinkler. Best rubber, straight neck. \$1 each; angle neck \$1.25.

Post-Hole Digger. Ease of operation and superior and rapid work are features of this new Digger; more than two hundred holes a day can be dug with it. **Samson**, 56 inches, \$6. **Rapid**, 59 inches, ash handle, \$5.

Raffia, Natural. For tying plants. Lb. 50 cts., 5 lbs. \$2.

Colored. All colors. For basket-making. Lb. \$1.25.

Scythe Rifles, Emery-coated. 25 cts. each, \$2.50 per doz.

Scissors, Grape-Thinning. \$2.25; **Flower-Gathering.** \$2.50.

Shears, Pruning, S. & W. Co.'s Solid Steel. Made for long service; easily adjusted. 8 in. \$2.50, 9 in. \$2.75, 10 in. \$3.

Pruning, California. \$1.

Pruning, French. 8 in. \$2, 9 in. \$2.50.

Kunde. Solid steel. It is very durable. \$4.

Pruning, Wiss. A very satisfactory Shear, tempered to cut continuously without dulling; has detachable blade. 9 in. \$4; 10 in. \$4.50.

Pruning, Lady's Nickel-plated. 6 in. \$2.25.

Screens. Handy for ashes, coal, sands, gravel, etc. Extra-heavy wire; spruce frames. Small size, 25 x 62 inches, \$13; larger size 28 x 66 inches, \$14. State whether 1/4-, 1/2-, 3/4-, or 1-inch mesh is desired.

Silkline. See Twines.

Shovels, Ames' Long and D Handles. Long-strapped, round or square, \$2.50.

S. & W. Co.'s Pointed and Square. \$2.

Spades, Ames' Long and D Handles. \$2.50.

S. & W. Co.'s Special Long and D Handles. \$2.

English Turfing. For cutting and lifting sod. \$8.50.

American Turfing. \$2.25.

Stumpwall Weeder. A practical crab-grass extractor. \$1.50 each, \$16.50 per doz.

Watering Pots, Haw's Pattern—

No. 0. 2 qts.; shelf; 9-in. spout, one pot rose and extra joint...	\$4 50
No. 1. 3 qts.; shelf; 9-in. spout, one pot rose and extra joint...	5 50
No. 2. 4 qts.; japanned; 2 roses.	6 00
No. 3. 6 qts.; japanned; 2 roses.	7 00
No. 4. 8 qts.; japanned; 2 roses.	8 00
No. 5. 10 qts.; japanned; 1 rose and spreader.	9 00

Plain. Heavy galvanized; round and oval; each pot has two roses—one fine and one coarse.

6-quart, round.	\$5 25	6-quart, oval.	\$6 00
8-quart, round.	5 50	8-quart, oval.	6 50
10-quart, round.	6 00	10-quart, oval.	6 75
12-quart, round.	6 50	12-quart, oval.	7 50

Wire, Bouquet, Florists' Annealed. Nos. 22 and 24. In coils of 12 lbs., \$4 per coil.

Florists' Bright. Cut in lengths. In boxes of 12 lbs. (one stone) 12 in. and 18 in. long. No. 22, \$2.25; No. 24, \$2.50.

Florists' Wire, Tinned. Furnished on spools. Nos. 18, 20, 22, 26. 25 cts. per spool.

Plant Stakes and Supports

Plant, Tapering, Green—

	Doz.	100	Doz.	100
1 1/2 feet.	\$0 35	\$2 25	3 feet.	\$1 10 \$7 25
2 feet.	60	4 00	3 1/2 feet.	1 50 9 20
2 1/2 feet.	80	5 20	4 feet.	1 60 11 00
			5 feet.	2 10 14 50

Carnation Supports. See page 47.

Japanese Cane. For staking plants and trees.

	100	1,000		100	1,000
10 feet	\$5 50	50 00	12 feet	18 00	160 00

6 feet. \$2 00 \$17 50
8 feet. 4 50 40 00

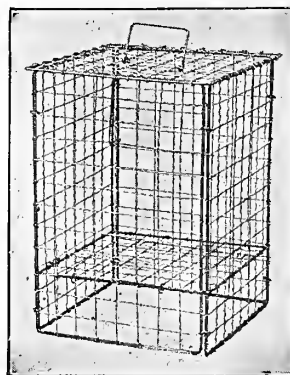
Galvanized Wire—

	100	1,000		100	1,000
3 feet.	\$2 00	\$17 50	4 1/2 feet.	\$3 25	\$27 50
3 1/2 feet.	2 50	20 00	5 feet.	3 50	30 00
4 feet.	2 75	22 50	6 feet.	4 00	35 00

Burners for Leaves, Paper, and Rubbish

The best receptacle used for burning leaves, papers, and all kinds of rubbish. This handy knockdown Burner is a safeguard against many fires that have their origin in the burning of rubbish in the open. The Burner is extra strong, manufactured of heavy galvanized steel wire, reinforced with iron supports. Made to give life-long satisfaction. We supply this Burner in two sizes.

No. Square Height Weight Each
1...15 in...15 in...22 lbs...\$3 00
2...17 in...17 in...20 lbs...4 00



Twines

S. & W. Co.'s Smilax Thread. This Thread is very strong, green in color and warranted not to fade. Best Thread on the market. 25 cts. per spool, \$1.50 per lb., \$4 per box of 3 lbs.

Silkline. Very largely used for tying. Three sizes, F, FF, and FFF. 40 cts. per spool, \$3 per box of 8 spools.

Bouquet Twine. White, in 3-oz. balls, \$1 per lb., \$4.50 for 5 lbs.

Sea Island Cotton. Green, 2-oz. balls, 15 cts. per ball, \$1 per lb.

Twine, Soft. For tying vines, etc.; very strong. 2- and 3-ply. Large balls, 20 cts., 3 balls for 50 cts.

Hanging-Baskets and Boxes, Thermometers and Plant-Tubs

PRICES SUBJECT TO MARKET CHANGES



The S. & W. Co.'s Irrigating Hanging-Basket

FOR BULBS. The S. & W. Co.'s Irrigating Hanging-Baskets and Boxes are, without question, the most satisfactory device for growing bulbs ever devised. A beautiful and certain growth, with a minimum of care.

FOR FERNS. Nearly every home-lover is a lover of ferns, but few succeed with them. They never fail in S. & W. Co.'s Irrigating Flower-Boxes, or Hanging-Baskets.

The S. & W. Co.'s Irrigating Hanging-Baskets

The S. & W. Co.'s Irrigating Basket is a strongly made, watertight, galvanized square steel box, attractively finished with a baked-on enamel in dark green. Its neat design harmonizes with any surrounding. The top edges have a pleasing roll finish and the boxes are made entirely suitable for all locations. Four chains are furnished with which the basket may be suspended anywhere—indoors or out.

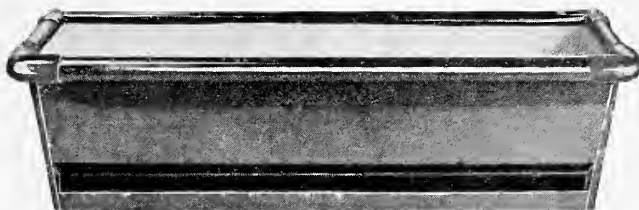
There is a water-pocket at the bottom, and, leading from it into the box, are tubes to convey water to the soil. Watering is made easy, the air circulation is perfect, and the soil is kept sweet and healthy. What is more important, the plants get the water at the roots, right where it does the most good.

10 inches square.....	\$3 75	16 inches square.....	\$6 75
12 inches square.....	4 25	18 inches square.....	8 25
14 inches square.....	4 75		

Neat brackets, suitable for hanging the above, with screws. 50 cts. each.

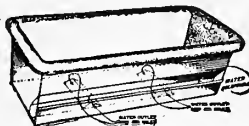
The S. & W. Co.'s Irrigating Flower-Boxes

You can put the S. & W. Co.'s Flower-Boxes anywhere—on the piazza rail, at the edge of the piazza floor, the window-sill, and in many other places on the outside or inside of your home. They are easy to put up and take down—a screw driver is the only tool you need. Brackets may be had for fastening the boxes in different positions. You can be absolutely certain that they will not drip. When cold weather comes, take the boxes and plants inside and have the all-winter cheer of growing flowers.



Length	Width	Depth	Each	Length	Width	Depth	Each
24 in.	8 1/2 in.	6 1/4 in.	\$2 50	42 in.	8 1/2 in.	6 1/4 in.	\$3 75
30 in.	8 1/2 in.	6 1/4 in.	2 75	48 in.	8 1/2 in.	6 1/4 in.	4 25
36 in.	8 1/2 in.	6 1/4 in.	3 25				

Brackets for Attaching the Above to Window Frame, Etc.



No. 1. Sets on window-sill. \$1.25 per pair.

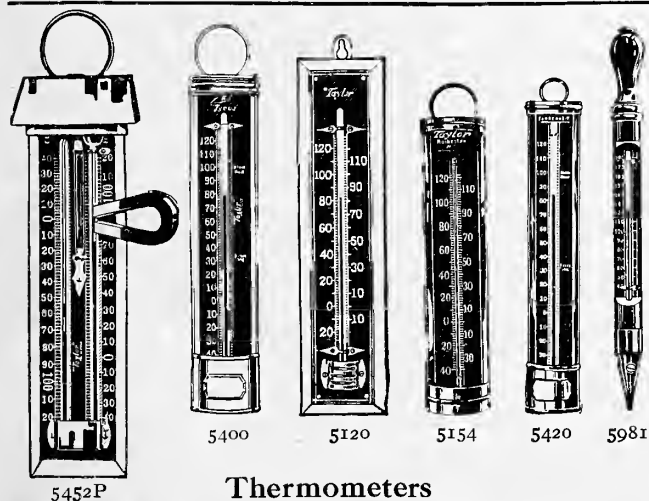
No. 2. Sets below window-sill. \$1.75 per pair.

No. 3. For porch-rails and wooden sills. 75 cts. per pair.

Diagram shows the interior construction of the S. & W. Co.'s Irrigating Flower-Box

The love of flowers is inherent in all of us. Radiant with beauty and fragrance, the bright blooms add charm to any home. Have you ever thought how much brighter and cheerier your windows and veranda would be with some pretty growing flowers along the rail? There is a rare enjoyment that comes from watching the progress of the tiny shoots as they grow and blossom into full grown flowers.

The S. & W. Co.'s Flower-Boxes and Hanging-Baskets make it easy to have all the flowers you want. You can plant them yourself or have the florist fill the boxes with your favorite varieties already in bloom. All plants thrive in these unique receptacles.



Thermometers

No. 5452P, Self-Registering. (Siex's Pattern.) Copper case, black brass scale, white figures. **Maximum and Minimum.** 8-inch, \$5.50; 10-inch, \$6.50. Magnet with each.

No. 5400. Black japanned heavy tin case; brass scale, white figures. (Mercury.) Scale range, 10 to 40 degrees below zero to 120 above. **Standard Grade.** 8-inch, \$1.40; 10-inch, \$1.60.

No. 5420. Black japanned heavy tin case. For greenhouses. Black oxidized brass scale, white figures. (Spirit.) 8-inch, 90c.; 10-inch, \$1.

No. 5154. Copper case; distance reading. Black oxidized brass scale, white figures. (Spirit.) Scale range, 120 degrees above to 40 degrees below zero. 8-inch 80 cts.; 10-inch, \$1.

No. 5120. Distant reading. Wood-back Mission finish, brass scale, white figures and graduation. (Spirit.) Easy to read at distance. 8-inch, \$1.25; 10-inch, \$1.50.

No. 5981. Hotbed. Wood frame, 16 inches, with point. Brass oxidized scale, white figures and graduations. Best grade, \$2.25.

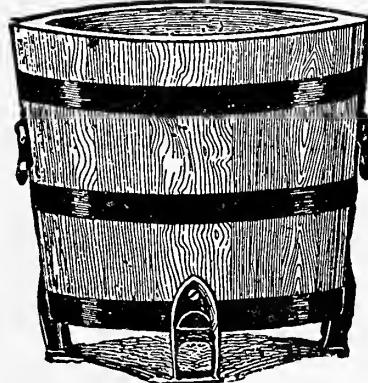
TUBS

Plant Tubs, New York Cedar. Made of the choicest seasoned cedar, highly finished with black hoops; will last twice as long as cypress.

No.	Diam.	Height	Price	No.	Diam.	Height	Price
1....	12 in.	10 1/2 in.	\$2 50	4....	19 1/2 in.	17 in.	\$6 00
2....	13 in.	13 in.	3 50	5....	22 1/2 in.	18 1/2 in.	7 50
3....	14 1/2 in.	15 in.	4 25				
3 1/2....	16 1/2 in.	15 1/4 in.	5 50				

Barclay Tree Tubs. Made of seasoned, selected Virginia White Cedar; bound with electric welded wire hoops (galvanized), three hoops to each, except the two smallest tubs which have two.

No.	Inside Top Diam.	Inside Depth	Price Each
1....	6.....	6.....	\$0 70
2....	7.....	7.....	75
3....	8.....	8.....	80
4....	9.....	9.....	90
5....	10.....	10.....	1 20
6....	11.....	10.....	1 40
7....	12.....	11.....	1 60
8....	13.....	12.....	2 00
9....	14.....	13.....	2 50
10....	15.....	14.....	3 00



New York Cedar Tub

Pruning Tools and Orchard Supplies

PRICES SUBJECT TO
MARKET CHANGES



Compound-Lever
Pruner

6-ft.....\$2 00
8-ft.....2 25
10-ft.....2 50

Compound-Lever Pruner

Working parts, being made from forgings, are very strong, without being unnecessarily heavy, and the strength, durability, easy cutting qualities of this tool appeal to all who have occasion to use a strong and powerful Pruner. 10 ft., \$4.75; 12 ft., \$4.85; 14 ft., \$5; 16 ft., \$5.25.

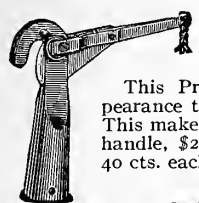
Waters Tree Pruner

This Pruner has been before the public for over twenty-five years. It has numerous well-known advantages, and if a tool for ordinary pruning is required, the Waters will give entire satisfaction.

12-ft.....\$2 75
Extra knives, ea. 30c.



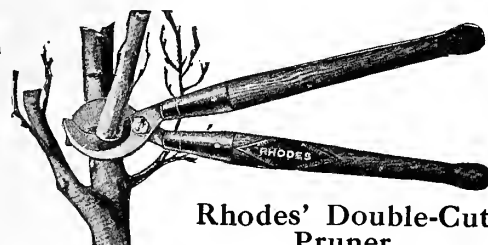
WATERS
IMPROVED
TREE PRUNER.



Telegraph
Pole
Pruner

Telegraph Pole Pruner

This Pruner is similar in appearance to but of heavier construction than the Waters. This makes it very strong and durable. Plain, \$1.75; with handle, \$2.00. Extra knives, 40 cts. each; extra springs, 40 cts. each.



Rhodes' Double-Cut
Pruner

A good and powerful Pruner. Cuts from both sides of the limb, and does not bruise the bark. Long ferrules; handles do not pull out; blades are of the best forged steel. 30-inch, \$5; 36-inch, \$5.25.

PRUNING SAWS



Paragon Pruning Saw

with the draw cutting and thrust cutting edges. Will cut large limbs better than the lighter Saws. 18-inch, \$1.75; 20-inch, \$2.

No. 4 Pruning Saw. Without this Saw no pruning outfit is complete. The tapering blade permits of its use in close places. Used for other purposes. A very useful Saw. 20-in., \$2.25.



No. 4 Pruning Saw

Two-Man Crosscut Saw. Has Tuttle (Lightning) teeth; cuts easily and rapidly; thin back, will not bind. 4½-ft., \$4.50; 5-ft., \$4.75; 5½-ft., \$5.

Buck Saw. Quality kind. \$2.25.



Double-Edge Pruning Saw

Double-Edge Pruning Saw. Has fine teeth on one edge and "Lightning" teeth on the other. 16-in., \$1.25; 18-in., \$1.50; 20-in., \$1.75; 22-in., \$2.

PRUNING SAWS, continued

One-Man Crosscut Saw. Can be used also as a Two-Man Saw.

Has "Lightning" teeth; cuts easily and rapidly.
3½-ft.....\$4 10 | 4½-ft.....\$5 25
4-ft.....4 75 | 5-ft.....6 00

Orchard Pruning Hook and Saw. Better adapted for pruning or sawing smaller branches than the Little Giant. Without pole, \$3.



Little Giant Pruner and Saw

Little Giant Pruner and Saw

Combined. The knife operates with a cord; a spring throws the knife back. Saw can be removed when desired; attaches to pole of any length. Without pole, \$3.



Combined Pruning Saw and Chisel

chisel cuts off small branches. With a thrust the limbs. Without pole, \$2.50.

Combined Pruning Saw and Chisel

A handy tool; attaches to pole of any length. With a thrust the saw is for larger



Orchard Pruning
Hook and
Saw



Single Edge Pruning Saw

Single-Edge Pruning Saw. Best spring-steel. 18 in., \$1.50; 20 in., \$1.75.



English Lopping
Shears

English Lopping Shears. The Shears are well known, and do good service.

No. 2. 24-in...\$4 00
No. 3. 28-in... 5 00
No. 4. 32-in... 6 00

Rhodes' Pole Pruning Saw. Attached to a light, 10-foot pole. Is adjustable to any angle. The Saw is a Paragon blade, made of the best spring-steel; has a draw and thrust cutting edge; saves a lot of climbing and risk of falling. \$4.



California Bow-shaped
Pruning Saw

California Bow-shaped Pruning Saw

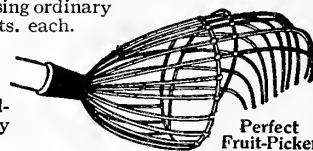
Excellent to use wherever two

limbs are close together. Can be used in the forks without bruising the bark of other limbs. 12-in., \$1; 14-in., \$1.15.

Swivel Pruning Saw. Very handy to use where the limbs are close together. The blade is adjustable to cut from any angle; it saves the trouble so often found when using ordinary Saws. \$2.50. Extra blades, 50 cts. each.

Perfect Fruit-Picker

Made of steel wire, heavily galvanized; can be attached to any pole. 60 cts. each.



Perfect
Fruit-Picker

Asbestos Torch

Attach the Torch to the end of a pole; saturate with kerosene oil, light and hold under the caterpillars' nests, and pass quickly along the branches and around the trunk of the tree. The heat instantly destroys the insects and will in no way injure the trees. Without pole, 60 cts.



Step-Ladder

Strongest and best Ladder manufactured. Made of ash; fine finish. Each step is braced and bolted. Only safe ladder to use 10 feet or over.

Each
5-ft.....\$7 50
6-ft.....8 75
7-ft.....10 25
8-ft.....12 00
10-ft.....13 00
12-ft.....24 00
14-ft.....28 00



Asbestos Torch

Sprayers for Applying Insecticides and Fungicides

PRICES SUBJECT TO MARKET CHANGES

AUTO-SPRAY

Convenient, durable, efficient. Our patented leader of spray apparatus for small uses. Will do better work and do it more easily than any other similar article. Useful with bordeaux and all solutions, also in applying cold-water paint or white-wash. Holds four gallons. Illustration shows our new "Auto-Pop" attachment which doubles the efficiency by saving half the solution and labor. Our "Anti-Choke" Nozzle, cleaned at every operation of "Auto-Pop," can never clog. Tank made of galvanized steel or brass. High-grade hose. Castings for handle, etc., all malleable. No continuous pumping as in the case of the Knapsack Sprayer, nor continuous pumping or slopping as in the case of the bucket pump. A few strokes of plunger compresses enough air to cover a quarter acre of potatoes or similar crop. The operator simply holds the nozzle. Also used for spraying disinfectants. A practical machine for potatoes, tobacco, small-fruits, vineyards, poultry-houses, greenhouses, etc. Extension pipes useful for spraying tall trees. Detailed descriptive circular on request.

Auto-Spray No. 1B. Brass Tank, with "Auto-Pop".....	\$9 50
Auto-Spray No. 1D. Galvanized Tank, with "Auto-Pop".....	6 50
Two-row Attachments for spraying two rows at one passing... 1	50
2-foot Brass Extension Pipe.....	60
2-foot Galvanized Extension Pipe.....	50
Brass Elbows for spraying under vines.....	35
Torch.....	1 50
Brass Strainer for straining solution.....	1 20
Auto-Spray Nozzle.....	60

AUTO SPRAY NO. 12

A very convenient size compressed-air Sprayer of new design. For spraying small garden plots, small trees, potatoes, and other low-growing vegetation. Capacity one and one-half gallons, half the capacity of our larger machines. It has a new carry-idea that makes it possible to carry and operate the machine with one hand, leaving the other hand free to hold back the foliage, enabling the operator to spray the underside of the leaves properly. The nozzle extension is made of brass and so arranged that it can be turned to spray up or down at the will of the operator. Pressure is pumped up before the sprayer is put in operation. All the operator has to do after pumping is to press the lever with his finger and direct the spray. The pump is solid brass, of our latest type, and of ample size for tank. Made in both brass and galvanized tanks. Height over all 19 inches. Shipping weight 8 pounds. Auto-Spray No. 12-B, all brass, \$7.50; No. 12-D, galvanized tank, \$5.



Bellows, Woodason's

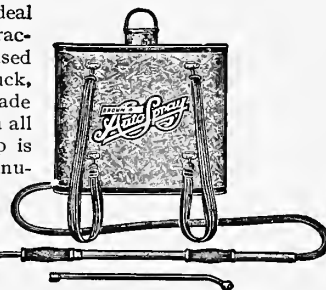
Powder, small size.....	\$3 25
large size.....	4 75
Liquid, small size.....	4 25
large size.....	4 75

Double-Cone Powder Bellows. For dusting plant with dry powders for insects and fungus. \$7.25.

Double-Acting Pump Sprayer and Knapsack Tank

THE SAME SPRAY WITH HALF THE LABOR

Pump.—This Pump is the ideal all-purpose sprayer. Its field is practically unlimited, as it may be used for spraying trees, vines, garden truck, potatoes, and any field crops. Made entirely of brass, doing away with all danger of corrosion. This Pump is double-acting, which gives a continuous spray, a distinct advantage over single-acting Pumps in that the pump works on both the up and the down stroke. The Pump cylinder is small in diameter, and in a test a pressure of 180 pounds to the square inch was raised with very little labor.



Knapsack Tank.—Where a portable tank for field or garden work is needed, we recommend our patrons' purchasing the Knapsack Tank as well as the Pump.

OUTFITS AND EQUIPMENT

Double-Acting pump, with 2½ feet of ½-inch suction hose, nozzle, and strainer, complete.....	\$5 00
Knapsack galvanized-iron tank, for field or garden work.....	3 00
Extension rod, curved brass.....	50
Two-row attachment of solid brass, for spraying two rows at a time.....	1 50



S. & W. Co.'s Continuous Sprayer

Will handle all solutions, insecticides, and disinfectants. Used in the greenhouse, kitchen-garden, window-garden, for rose bushes, and in the poultry-house. Two spray caps—one straight, the other at an angle for reaching under leaves or spraying directly down. Construction of tank permits the Sprayer to be operated at any angle, and it will not tip over when filling. All tin, 80 cts; tin pump, brass tank, \$1; all brass, \$1.50. Weight, 3 lbs.

S. & W. Bucket Spray Pump

The S. & W. Spray Pump is a saving in the cost of small hand Sprayers. It is a quality Sprayer. This Pump is made of heavy seamless brass tubing, with a large brass air-chamber; it has brass ball valves; is double-acting and will produce a continuous spray or stream. A bordeaux nozzle, with 3 feet of ½-inch spray hose is furnished. The nozzle can be regulated to throw a very fine, medium, or coarse spray. We recommend this Sprayer as the best cheap hand Sprayer for applying whitewash, cold-water paint and disinfectants. When ordering Sprayer to be sent by parcel post, allow for 10 lbs., the packed weight of Sprayer. \$7.00.

Extra ½-inch hose, seven-ply, of good quality, is furnished at 30 cts. per foot.
Extra couplings, 50 cts. per set.



For complete line of Sprayers, etc., refer to our Seed Annual

REMEDIES FOR INSECTS AND FUNGUS

NOTE.—Insecticides marked * can be sent by Parcel Post at purchaser's expense. Consult your local post office for rate from New York

ALL PRICES SUBJECT TO MARKET CHANGES

- Aphine.** Effective against all soft-bodied and plant-sucking insects, such as green, black, and white fly, red spider, thrips, mealy bug, brown and white scale. Used as a spray when diluted with water in the proportions as directed on each can. An insecticide which can be used indoors and in the garden. An excellent cleanser for house plants. Gal. \$3.75, qt. \$1.25, pt. 65 cts., $\frac{1}{2}$ pt. 40 cts., $\frac{1}{4}$ pt. 25 cts.
- Arsenate of Lead, Powder.** Owing to the deterioration of lead in paste form, we have decided to discontinue handling it, and strongly recommend the powder form, which is better than paris green, does not burn the foliage, goes twice as far, and is easier to handle. Dilute 1 pound to 50 gallons of water. $\frac{1}{2}$ lb. 25 cts., lb. 50 cts., 5 lbs. \$2.25, 10 lbs. \$4, 25 lbs. \$9, 50 lbs. \$15, 100 lbs. \$27.50.
- Beetol Spray.** Kills Japanese beetles, rose bugs, red spiders, mealy bugs, plant lice, white and green flies, black aster beetles. Full directions with each package. Pt. \$1.15, qt. \$1.95, $\frac{1}{2}$ gal. \$3.50, gal. \$6, 5 gals. \$25, 10 gals. \$40.
- Black-Leaf 40.** A concentrated solution of nicotine sulphate; an excellent spray for black aphides and sucking insects of all kinds. Dilute one part to 900 or 1,000 parts of water, according to treatment. Full directions on each package. 1-oz. bottle 35 cts., $\frac{1}{4}$ -lb. tin \$1.25, 2 lbs. \$3.50.
- Bordeaux Mixture, Dry Powder.** One of the best fungicides known, on account of its metallic copper. Copper in this form stimulates the growth of plants on which it is applied, acting as a tonic. Bordeaux Mixture is the recognized fungicide for the control of most fungous diseases of fruits and ground crops. Dilute 4 to 4 $\frac{1}{2}$ pounds to 50 gallons of water. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 5 lbs. \$1.50, 10 lbs. \$2.75, 25 lbs. \$5.75, 50 lbs. \$10, 100 lbs. \$18.
- Bordo-Lead, Dry Powder.** Insecticide and fungicide consisting of Arsenate of Lead and Bordeaux Mixture in dry form. It has sufficient Arsenate of Lead to kill chewing insects and sufficient Bordeaux Mixture to control most fungous diseases, blight, rot, and mildew. $\frac{1}{2}$ lb. 25 cts., lb. 50 cts., 5 lbs. \$2.25, 10 lbs. \$4.25, 25 lbs. \$9.25, 50 lbs. \$16.50, 100 lbs. \$30.
- B. T. S. (Dry Lime-Sulphur Compound).** A definite chemical compound of sulphur with barium in which all of the sulphur and all of the barium are available as active ingredients. B. T. S. may be substituted for lime-sulphur solution in all spraying operations. This means that it can be used in both dormant and growing period applications in the place of the solution. Lb. 35 cts., 5 lbs. \$1.50, 10 lbs. \$2.75, 25 lbs. \$6.
- Copper Solution Ammoniated.** A fungicide the same as Bordeaux Mixture; the essential ingredient, carbonate of copper, being dissolved in ammonia in this, while in Bordeaux it is counteracted by lime. For late sprayings, when fruits are nearing maturity, or plants in bloom, copper solutions are usually used. Qt. \$1.25, gal. \$4.
- Fish-Oil Soap.** For mild forms of scale, and is an excellent summer spray, when something stronger cannot be used, where the San José scale exists. It is good for washing off lemon trees, oleanders and almost anything that would be infested with a soft-shelled or almost any kind of insect. Dissolves in water according to various purposes. Lb. 25c., 5 lbs. \$1.10, 10 lbs. \$2, 25 lbs. \$4, 100 lbs. \$15.
- Fungine.** An infallible remedy for mildew, rust, wilt, bench-rot, and other blights affecting flowers, fruits, and vegetables. A spraying material which is diluted with water, and does not stain foliage. Gal. \$3.75, qt. \$1.25, pt. 65 cts., $\frac{1}{2}$ pt. 40 cts.
- ***Grape Dust.** For mold, mildew, or rust-mites, either in the green-houses or open air. 5 lbs. 85 cts., 10 lbs. \$1.60, 25 lbs. \$3.75.
- Hortex.** A superior sulphur-arsenate-nicotine dust testing 2 per cent pure nicotine. This all-in-one mixture is used for the control of many fungous diseases, chewing insects, and sucking insects. Used as a dust it cannot be surpassed for general garden use. Lb. can 50 cts., 5-lb. can \$2.25, 10-lb. can \$4.
- Lemon Oil.** Odorless and poisonless; one to thirty to fifty parts of water. Destroys mealy bug, scale, thrips, red spider, black and green fly, caterpillar, etc. $\frac{1}{2}$ pt. 40 cts., pt. 60 cts., qt. \$1, $\frac{1}{2}$ gal. \$1.75, gal. \$3.
- Lime-Sulphur, Bowker's Concentrated.** (Dormant Spray). For destroying San José scale. One gallon makes ten gallons of spray; dilute with cold water. Qt. 50 cts., 1-gal. can \$1.25, 5-gal. can \$4.25, half-barrel (about 25 gals.) \$8, barrel (50 gals.) \$14.
- Nico-Fume Liquid.** This preparation is a free nicotine preparation, and is used by many of the leading growers. $\frac{1}{4}$ -lb. can 75 cts., 1-lb. can \$2.25, 4-lb. can ($\frac{1}{2}$ -gal.) \$8, 8 lbs. (1 gal.) \$15.
- ***Nico-Fume Paper.** This is a paper treated with nicotine, giving off dense fumes of strong nicotine when ignited. It is also used for tying near blooms of chrysanthemums in early fall to keep down insects. Preferred by many who do not wish to spray or vaporize. Box of 24 sheets \$1.25, box of 144 sheets \$5.50, box of 288 sheets \$10.
- Pyrox (Bowker's).** The one best and safest all-round spray which kills all leaf-eating insects and prevents blights and all fungous troubles, without injury on fruit trees, also on rose bushes, shrubbery, etc. It is a creamy paste which looks like paint and "sticks like paint." It needs only to be mixed with cold water and it is ready to apply. Once tried, always used. Lb. 50 cts., 5 lbs. \$1.75, 10 lbs. \$3.15, 25 lbs. \$6.50, 50 lbs. \$11.25, 100 lbs. \$18, 300 lbs. \$51.
- Para-Dichlorobenzene (Crystal Gas).** Highly recommended for destroying the peach borers in trees four years and older. During September a ring of the crystals is placed on the soil around the trunk and covered by mounding the earth against the tree. One ounce is sufficient for each tree. Lb. 75 cts., 5 lbs. \$2.75, 10 lbs. \$5.
- Scalecide.** Soluble crude oil. Used for the destruction of the San José scale. Dilute at the rate of one gallon to twenty gallons of water. Scalecide does not clog nozzles, hose, or pump, and is pleasant to use. This preparation is perhaps the best known and is very widely advertised. Orchardists throughout the country use it in large quantities. Trees may be sprayed in winter and early spring before they start to come to bud. Qt. 75c., gal. \$2, 5 gals. \$6.25, 10 gals. \$10.60, 30-gal. bbl. \$26, 50-gal. bbl. \$38.
- Solomia.** A powerful insecticide and fungicide for spraying. A scientific preparation for the destruction of insect pests of all kinds. Is non-poisonous and harmless to all but insect life. It can be sprayed on crops, fruit, flowers, or grass without causing them the slightest harm. Qt. \$1.50, gal. \$4.50.
- Styptic.** To prevent bleeding of vines after pruning. Bottle \$2.
- Sulco-V. B.** A combined contact insecticide and fungicide of unusual merit for the control of San José and other scale insects, aphids, white fly, pear psylla, red spider, red bug, leaf-blight, mite, thrips, citrus rust mite, cabbage lice, and fungous spores causing peach-leaf curl, brown and ripe rot of peach and other stone fruits, apple and pear scab, smut and mildew on various plants, etc. Dilute 1 to 25 and up to 1 to 100, according to requirements. Qt. 60 cts., gal. \$1.75, 5 gals. \$7, 10 gals. \$12.50, $\frac{1}{2}$ bbl. (about 30 gals.) \$25.50, bbl. (50 gals.) \$37.50.
- Sulfocide.** An efficient spray for the control of seab and black rot on fruit trees. Excellent for mildew and black rot of roses and for similar fungous troubles of other plants. Dilute one gallon to 200 gallons of water. Qt. can 75 cts., gal. can \$2.25, 5-gal. can \$8.75, 10-gal. can \$15, 30-gal. bbl. \$39, 50-gal. bbl. \$60.
- ***Sulphur.** Used principally in greenhouse for checking mildew (see below for Campbell's Sulphur Vaporizers). Lb. 25 cts., 5 lbs. \$1, 10 lbs. \$1.60, 100 lbs. \$12.
- Sulpho-Tobacco Soap.** A combination of tobacco extract and sulphur, excellent for washing and spraying plants; dissolve in warm water. 3-oz. pkg. 15 cts., 8-oz. pkg. 25 cts., 10-lb. pkg. \$3.
- ***Tobacco Dust (Kilmdead).** The best of the Tobacco Dusts for dusting or fumigating. Lb. 25 cts., 5 lbs. 75 cts., 25 lbs. \$2, 50 lbs. \$3.50, 100 lbs. \$6.
- Tobacco Stems.** Used for fumigating and under benches in green-houses. Bale of 100 lbs., \$4.
- Tree Wound Paint.** Prevents decay. A residuum, penetrating, antiseptic paint that is not affected by heat, cold, or moisture. Does not peel, crack, or get brittle. Stops tree bleeding. Pt. 60 cts., qt. \$1, gal. \$2.50, 5 gals. \$10.
- Wilson's O. K. Plant Spray.** For roses, chrysanthemums, evergreens, and all plants affected with scale or insects. One part is mixed with from 10 to 20 parts of water. $\frac{1}{2}$ pt. 40 cts., qt. \$1, gal. \$3, 5 gals. \$10, $\frac{1}{2}$ bbl. \$50, bbl. \$90.
- Vermine.** A soil sterilizer and germicide for all soil vermin, such as cut-, eel-, wire-, and grub-worms, slugs, root-lice, maggots, and ants. Use one part of Vermine to four hundred parts of water, thoroughly soaking the ground. It does its work effectively without injury to vegetation, and protects your crops and lawns against the ravages under the soil. $\frac{1}{4}$ pt. 30 cts., $\frac{1}{2}$ pt. 50 cts., pt. 75 cts., qt. \$1.25, 1 gal. \$3.75.
- X-L-ALL Liquid Insecticide.** Destroys mealy-bug, scale, thrip, red spider, green and black fly, caterpillars, blight and all insect pests in the garden; it is perfectly safe to use on tender plants. For the winter dressing of vines, figs, peaches and other fruit trees, it has been proved to be the safest and most valuable preparation in the market. Leaves the foliage bright and clean and improved in appearance. Qt. \$2, $\frac{1}{2}$ gal. \$3.75, gal. \$7.
- X-L-ALL Vaporizing Compound.** Used very extensively abroad for vaporizing. No. 1 (sufficient for 40,000 cubic feet) \$8; No. 2 (sufficient for 20,000 cubic feet) \$5; No. 3 (sufficient for 10,000 cubic feet) \$2.50.

Weed-Killer and Worm-Eradicator

ATLAS NON-POISONOUS. Kills weeds safely and economically. Harmless to humans and animals. Qt. 75 cts., $\frac{1}{2}$ gal. \$1.25, gal. \$2, 5 gals. \$8, 50 gals. \$55.

HERBICIDE. For destroying weeds in roadways, paths, and gutters. Will kill all forms of plant-life, including weeds. One gallon of Herbicide mixed with 40 gallons of water is sufficient for 100 to 150 square yards. Qt. 70 cts., $\frac{1}{2}$ gal. \$1.20, gal. \$2, 5 gals. \$8, 10 gals. \$15, 30 gals. \$33, 50 gals. \$50.

VERMOL. An ideal worm-eradicator, non-poisonous, and will not injure the grass. 25 lbs. \$2.50, 100 lbs. \$6, $\frac{1}{4}$ ton \$27.50, $\frac{1}{2}$ ton \$50, ton \$95.

STUMPP & WALTER CO.'S FERTILIZERS

This list includes only those used principally at this season of the year; for more extensive list see our Spring Catalogue. When cash accompanies your order for fertilizers listed below in lots of 100 lbs. or over, we prepay freight to your station if within 100 miles of New York.

No. 2 Bone Dust for General Use.

A bone dust about pinhead size, with a fair percentage of bone flour. Excellent for top-dressing lawns as well as good for mixing with soil. Sold largely to carnation and rose-growers for top-dressing and for mixing with soil. 5 lbs. 50 cts., 10 lbs. 90 cts., 25 lbs. \$1.75, 50 lbs. \$2.50, 100 lbs. \$4.50, ton \$65.

S. & W. Co.'s Charcoal.

For mixing with soil for pot-plants and vines. No. 1, Powdered; No. 2, Medium; No. 3, Lumps, 3 to 4 inches.

Any size, per bag of 50 lbs. \$2.50, 100 lbs. \$4.50, 1,000 lbs., \$35, 2,000 lbs. \$65.

S. & W. Co.'s General Garden Fertilizer.

This Fertilizer is for general garden work for vegetables, flowers and fruits. 10 lbs. sufficient for space 15 x 15 ft.; 500 lbs. to the acre. 5 lbs. 45 cts., 10 lbs. 80 cts., 25 lbs. \$1.75, 50 lbs. \$3, 100 lbs. \$5.50, ton \$75.

GENERAL LIST OF FERTILIZERS

Within 100 miles of New York and when cash accompanies your order, we prepay freight or express, our option, on Fertilizers, except where otherwise specified.

ASHES, CANADA HARDWOOD. Quantity required: Apply one to two tons to the acre, as one heavy application will help much more than the same quantity would applied in fractions. Apply in early spring or late fall. Barrels of about 200 lbs., \$5; ton in barrels, \$40.

BASIC SLAG. Very effective on muck soil or soils of acid nature. Contains free lime in addition to available phosphoric acid. Well suited for leguminous crops such as alfalfa, clover, etc. 50 lbs. \$2, 100 lbs. \$3.75, 500 lbs. \$17, ton \$60.

BLOOD. (Dried.) Excellent for indoor culture of flowering plants, such as carnations, roses, etc. Its chief element is nitrogen. 10 lbs. \$1, 50 lbs. \$3.25, 100 lbs. \$6, 500 lbs. \$27.50, 2,000 lbs. \$100.

BON ARBOR. A concentrated chemical fertilizer to be used in liquid or powder form according to the directions on the package. Dilute 1 pound with 30 gallons of water. ½-lb. pkg. 50 cts., 1-lb. pkg. 75c., 5 lbs. \$2.50, 50 lbs. \$17. In lots of 100 lbs. or over, \$30 per 100 lbs.

CLAY'S CELEBRATED FERTILIZER. In bags, ¼cwt. (14 lbs.) \$2.25; ½cwt. (28 lbs.) \$4; ¾cwt. (56 lbs.) \$7; 1 cwt. (112 lbs.) \$12.

COW or CATTLE MANURE, Shredded. One sack of this is equal to one cartload of fresh cow manure; is convenient to handle, making it possible for everyone to get this usually scarce article at all times. In 100-lb. sacks only. 100 lbs. \$4.50, 500 lbs. \$15, 1,000 lbs. \$28, ton \$55.

EMERALD GRASS FERTILIZER. A clean, portable, and convenient lawn dressing, which we have found to be never-failing in inducing a rapid and rich green growth. It should be sown broadcast in the spring or fall. It is in every way more desirable than manure. The use of Emerald Grass Fertilizer entirely does away with the old practice of top-dressing lawns with stable manure. It is best to apply during dull weather and, if applied during warm weather, soak down with a hose after applying. 5 lbs. 45 cts., 10 lbs. 80 cts., 25 lbs. \$1.75, 50 lbs. \$3, 100 lbs. \$5.50, 500 lbs. \$20, 2,000 lbs. (ton) \$75.

FLORANID (UREA). Laboratory compound containing 46 per cent nitrogen. More available nitrogen than any other fertilizer. Improves quality and size of blooms on bulbs. Dissolve one pound in 50-gallon barrel of water and apply with sprinkling can. 1-lb. can 75 cts., 50 lbs. \$12, 100 lbs. \$24.

HUMUS. Nature's product for enriching lawns, soil for all kinds of gardening, and for stimulating potted plants. Used in making fine lawns, especially where soil is poor. 50 lbs. \$2, 100-lb. box \$3.50, 5 boxes (500 lbs.) \$15, 20 boxes (2,000 lbs.) \$40.

LIME, Agricultural, Hydrated. This lime is specially prepared for use on the soil and is a combination of calcium-hydrate and calcium-carbonate, finely pulverized. Quantity required: Heavy soils, 2,000 to 6,000 lbs. to the acre; light, sandy soils, 1,000 to 3,000 lbs. to the acre, according to their apparent need. 5 lbs. 30 cts., 10 lbs. 50 cts., 25 lbs. \$1, 100-lb. bag \$2, 500 lbs. \$8.75, ton \$30. In lots of 3 tons or over, \$27 per ton. Price, delivered in carload lots to your station, upon request.

LIMAG. (Hydrated Lime, Hydrated Magnesium, and Potash.) For all crops. Fertilizes and sweetens soil and destroys wireworms and other pests. 100 lbs. \$3, 500 lbs. \$12.50, 2,000 lbs. \$40.

MURIATE OF POTASH. 150 lbs. per acre. Potatoes and root crops. 5 lbs. 60 cts., 10 lbs. \$1, 25 lbs. \$2, 50 lbs. \$3.25, 100 lbs. \$6.

NITRATE OF SODA. Quantity required: Being extremely soluble, it is usually applied after the plants are above ground, 100 to 500 lbs. to the acre. 1-lb. tin 25 cts., 5-lb. pkg. 60 cts., 10-lb. pkg. \$1, 25-lb. bag \$1.75, 50-lb. bag \$3, 100 lbs. \$5.50.

OYAMA PLANT FOOD. Makes plants thrive. By using Oyama on house plants it will keep them in bloom all winter and as green and luxuriant as if grown outdoors in the summer. Full directions with every package. House Plant Size, makes 6 gallons, 35 cts. Garden Size, makes 32 gallons, \$1.25, postpaid.

PHOSPHATE, High-Grade Acid or Rock. Apply 1,000 lbs. to the acre. Used for mixing with other fertilizers to increase the phosphoric acid analysis. In 100-lb. sacks only, \$3, ton \$40.

POTASH MARL. Well-balanced fertilizer, high in potash. In vegetable garden use 150 pounds to 1,000 square feet; flower garden and lawn, 200 pounds to 1,000 square feet; for greenhouse roses, chrysanthemums, carnations, etc., 150 pounds to a dump-cart full of loam. 100 lbs. \$2.50, 500 lbs. \$11.25, 1,000 lbs. \$22.50, ton \$40.

SALT. For agricultural purposes, asparagus beds and putting on walks and roads to kill weeds. Apply 600 to 800 lbs. to the acre in early spring. 25 lbs. \$1, 50 lbs. \$1.50, 100 lbs. \$2.25, 200 lbs. \$4, ton \$35.

SCOTCH SOOT. Genuine imported. For stimulating a healthy growth of dark green foliage, and it will free the soil of slugs, grubs and cut-worms. 10 lbs. \$1.25, 50 lbs. \$3.75, 100 lbs. \$7.

SHEEP MANURE, PURE PULVERIZED. A pure, natural, nutritious manure. Immediate and lasting in effect. Excellent for mixing with the soil for greenhouse plants. In the vegetable-garden it promotes a rapid, steady growth until maturity. It makes a rich liquid manure. Quantity required: For garden and field-crops, one or two tons to the acre; one-half before plowing, the balance before harrowing. For top-dressing grass, use one ton to the acre, applied in fall or early spring. 100-lb. bag \$5, 500 lbs. \$18, ton \$65. In packages of 5 lbs. 40 cts., 10 lbs. 75 cts.

SPENT MUSHROOM SOIL. Partly decayed horse manure. A plant-food low in price and high both in fertilizing value and humic content. There is no better material for making a compost heap, for top-dressing putting-greens and fine lawns. Prices on carload lots delivered to your station quoted on request.

SULPHATE OF AMMONIA. The most concentrated nitrogenous top-dressing on the market. Contains ammonia in a form quickly available but not readily leached from the soil. It is fine and dry, and easily spread by hand or by drill. The crop-producing power of the ammonia is equal to that of any fertilizer. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2.50, 50 lbs. \$4.25, 100 lbs. \$7.50.

TANKAGE. The mixture of blood and bone can be used for general garden crops, trees, or in the greenhouses. For outside use one-half to one ton per acre. 10 lbs. 75 cts., 25 lbs. \$1.50, 50 lbs. \$2.50, 100 lbs. \$4.50, 500 lbs. \$22.50, 2,000 lbs. \$80.

THOMSON'S CHRYSANTHEMUM MANURE. A highly concentrated English chemical fertilizer used by the leading private gardeners in America and abroad. May be used in liquid or dry form. 7-lb. bag \$1.75, 14-lb. bag \$3, 28-lb. bag \$5.50, 56-lb. bag \$10.

THOMSON'S SPECIAL FLOWER, VEGETABLE and VINE MANURE. 14-lb. bag \$1.75, 28-lb. bag \$3, 56-lb. bag \$5.50, 112-lb. bag \$10.

LEAF-MOLD, PEAT AND MOSS

Leaf-Mold. Used for preparing rhododendron beds. Bag \$2.50.

Moss, Live Green Sphagnum. Freshly gathered in season. Bbl. \$5.

Moss, Sheet, Natural Green. For covering the pots or tubs of large plants; sheets range in size about 1 foot wide and from 2 to 5 feet long. Bag (10 lbs.) \$5.

Moss, Dry Sphagnum. Large bale \$4.

Peat Moss. For top-dressing lawns, mixing with soil and mulching plants. Superior to Cocoanut Fiber. Bales (about 220 lbs.) \$6.

Peat. (Osmundi.) For orchids. Bbl. \$5.

Peat, Rotted, Fibrous. An excellent material for mixing with potting soil, for many plants. This peat has been dug from an old bog and exposed for a number of years until it has become thoroughly decayed. Bag \$2.50.



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Shurgrow Bulb Fibre. This is a prepared fibre containing all the ingredients for producing blooms from bulbs indoors. It can be used for any dish, as it does not require drainage. Put up in quart packages convenient for use, at 25 cts. per quart, \$2.50 per dozen quarts.

Special Window-Garden Collection of Hyacinths

We have selected six of the best varieties listed on page 16 which are especially adapted for window-garden culture: Pink, Gertrude; Red, LaVictoire; White, L'Innocence; Light Blue, Grand Maitre; Dark Blue, King of the Blues; Yellow, Yellow Hammer.

6 bulbs, one of each variety	\$2 00
18 bulbs, three of each variety	5 50
36 bulbs, six of each variety	10 00

Hyacinth Glasses

Hyacinths can be easily and successfully grown in water, giving good spikes of bloom. Single varieties are generally used. *Cannot be sent by mail.*

Belgian or Tye Shapes. In 5 shades—Crystal, Blue, Green, Amber and Amethyst. Belgian shape, 45 cts. each, \$4.50 per doz. Tye shape, 45 cts. each, \$4.50 per doz.



Belgian



Tye

High Quality Bulbs, Seeds, Plants for Autumn Planting

We, Stumpp & Walter Co., give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, or plants we send out, and will not be responsible for the crop.

STUMPP & WALTER CO.

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Send by _____ *State if wanted by Mail, Express or Freight*

Superintendent or Gardener _____ That we may enter for Catalogues

Date_____1925

AMOUNT ENCLOSED

\$

Fall seeding on your lawn will produce best results. Grasses will root deeper and you will have less trouble from weeds.

[illegible]

PLEASE BE SURE TO FILL IN YOUR NAME AND ADDRESS ABOVE

ORDER SHEET. STUMPP & WALTER CO., 30 and 32 Barclay Street, NEW YORK

[illegible][illegible]

PLEASE BE SURE TO FILL IN YOUR NAME AND ADDRESS ON FRONT PAGE



Flowers in Your Home From Christmas to Easter

ONE of the most inspiring influences of the home is the flowers one grows. You can have an abundance of bulbs in flower from before Christmas until Easter if you plant a few bulbs suggested on this page. Six Paper-White Narcissus bulbs planted in a dish of pebbles will flower in ten weeks. The best Paper-White Narcissus bulbs cost \$7 per 100, and these flowers are sold in the florists' shops at \$2 to \$2.50 per dozen. You can grow your own and not only enjoy the fun of it, but save three profits—the grower's, the wholesale cut-flower dealer's, and the florist's.

SOIL AND CULTURE. The soil for potting bulbs should be light and rich; one-half good garden soil, one-fourth sand, and one-fourth rotted stable manure is about right, and this should then be thoroughly mixed and pulverized before using.

The pots, after placing part of a broken pot at the bottom to ensure drainage, should be filled to within 4 inches of the top, bulbs set in 2 to 4 inches apart, according to the variety, and then soil placed around them, just allowing the top of the bulb to protrude. After planting, water thoroughly, place in the coolest, darkest part of the cellar, away from the heat and light. Freezing will not hurt them. While in the cellar, look at occasionally and see that soil is moist not wet. **The main point to consider is to be sure they have made plenty of roots before being brought up to the living-room.**

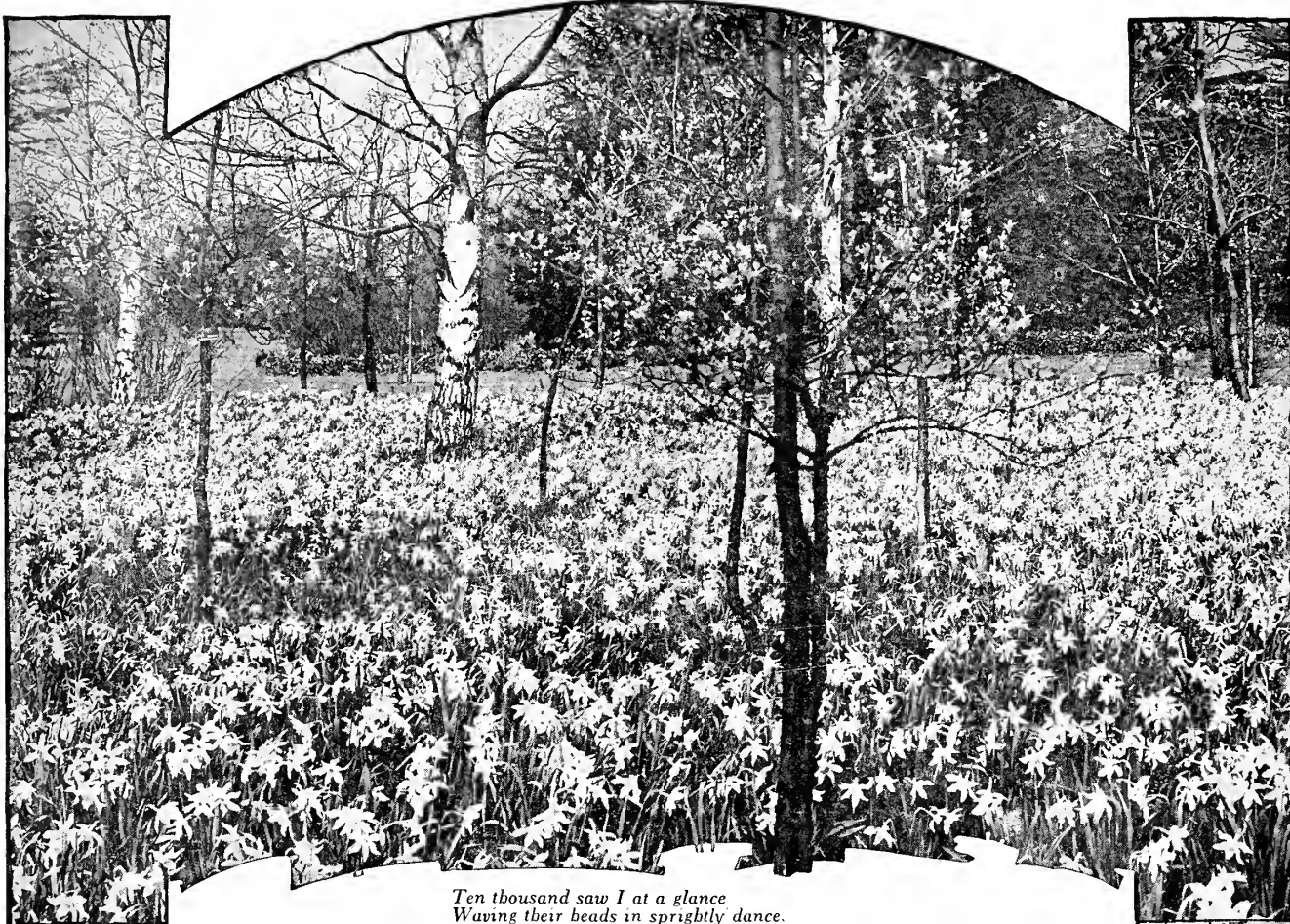
The Paper-White Narcissi, Freesias, and Crocuses offered on this page, planted October 15, may be brought to light December 1, and, in order to have them in succession, bring up a pot or pan every week until you have brought all your stock in. Early Tulips, Daffodils, and Hyacinths brought in January 15 should begin flowering from March 10 on.



Special List for Pot Culture

FREESIAS		Doz.	100
Furity. White Monster Bulbs.....		\$0 75	\$5 00
CROCUSES (Selected Bulbs)			
Purpurea Grandiflora. Blue.....	45	3 00	
Kathleen Parlow. White.....	45	3 00	
La Majestueuse. White, striped purple.....	45	3 00	
Yellow Mammoth. Yellow.....	45	3 00	
TULIPS			
Golden Queen. Golden yellow.....	85	6 00	
Belle Alliance. Scarlet.....	85	6 00	
White Hawk. Fine white.....	85	6 00	
Fred Moore. Ruddy apricot.....	80	5 50	
Princess Wilhelmina. Dark pink...	85	6 00	

DUTCH HYACINTHS (First Size)	
One Bulb suggested for 5-inch pot 4 - for an 8-inch pot or pan.	
Lady Derby. Finest pink.....	
La Victoire. Finest red.....	
Grand Maitre. Finest blue	
City of Haarlem. Fine	
La Grandesse. Fine	
NARCISSI or	
largest bulb	
Paper-White	
Gold	
Er	



*Ten thousand saw I at a glance
Waving their heads in sprightly dance.*

— WORDSWORTH

LAST YEAR TO IMPORT HOLLAND DAFFODILS

Daffodils for Naturalizing (NARCISSI)

THERE is no more useful bulbous plant than the Daffodil for planting around the home-grounds. They are equally at home in the shady location of your shrubbery border or planted in clumps in your flower border, and are not subject to any particular rodent or pest.

After this year, they will not be allowed entry into our country. Ninety-five per cent of these beautiful bulbous plants are imported every year from Holland. We suggest to our patrons the advisability of buying liberal quantities this year, as bulbs procured from American-produced stocks after this year much higher in price.

We have arranged with our growers to produce large stocks of the best named varieties, and the prepared to meet the various purposes and locations in which you desire to plant them.

FIVE SECTION OFFER

The following Sections, \$5.50 per 100, \$50 per 1,000, \$450 per 10,000

- | | |
|-----------------------------|------------------------------------|
| For Shady Places | C. Daffodils, all Yellow Varieties |
| Open Places | D. Daffodils, all White Varieties |
| E. Daffodils, all Varieties | |

Scilla (ENGLISH BLUEBELL)

entry in considerable quantities up to 1919, when the we permitted their entry during 1924 and 1925. We advise our patrons to plant liberal borders and are also splendid for nat-

PER 10,000

BARCLAY STREET
NEW YORK CITY

